WÜRTH

TOOLS & SHOP SUPPLIES

WÜRTH

08 **Tools & Shop Supplies**

A/C Supplies	08.0640 - 08.0650
Adhesive Back Fastener	08.0570
Air Evac II	08.0265
Air Hose & Regulators	08.0250 - 08.0255
Air Hose Accessories	08.0175 - 08.0180, 08.0240
Air Sanders	08.0095
Air Tools	08.0075 - 08.0080
Airline Filters & Regulators	08.0245
Arbors, Pilot Drills	08.0300
Assortment Boxes	08.0675
Bit Holders & Adapters	08.0320 - 08.0335
Blow Guns	08.0260
Brass	08.0185 - 08.0235
Brushes	08.0360 - 08.0365
Caulking Guns	08.0445 - 08.0460
Couplers	08.0130 - 08.0170
DBS 3600	08.0100
Dent Lifters	08.0065 - 08.0070
Dispensers	08.0405 - 08.0435
Drill Bits	08.0290 - 08.0295
Ear Protection	08.0705
Electrical Hand Tools	08.0390 - 08.0400
Files	08.0350 - 08.0355
Gloves	08.0720 - 08.0745
Grease Guns	08.0435 - 08.0440
Hand Tools	08.0055 - 08.0060
Heating Tools	08.0500 - 08.0515
Holesaws	08.0305
Knives & Blades	08.0370 - 08.0375
Masks	08.0690 - 08.0700
Micro Grip	08.0475
Nipple Interchange Chart	08.0105 - 08.0125
Pin Punch Set	08.0635
Pistol Vac	08.0260
Plastic Lined Lug Sockets	08.0635
Pliers & Shears	08.0385
Protective Covers	08.0585 - 08.0600
Racks	08.0660 - 08.0670
Ratchet Bit Set	08.0020
Rivet Tools	08.0040 - 08.0050
Safety Eyewear	08.0710 - 08.0715
Saws & Cutters	08.0340 - 08.0345
Shop Supplies	08.0615 - 08.0625
Socket Sets	08.0025 - 08.0035
Spill Control	08.0605 - 08.0610
Spray Guns	08.0465 - 08.0470
Storage	08.0655, 08.0680 - 08.0685
Stud Driver & Remover	08.0360
Stud Extractor	08.0630
Tape	08.0535 - 08.0565
Twist Drills	08.0270 - 08.0285, 08.0310 - 08.0315
Valve Adjusting Tools	08.0630
Vario Point Cutters	08.0085 - 08.0090
Welding Supplies	08.0480 - 08.0495
Wire & Grinding Wheels	08.0570 - 08.0575
Work Lights	08.0520 - 08.0530
Wrenches	08.0005 - 08.0015

WURTH COMBINATION WRENCHES WITH POWERDRIV®

For a sure grip and higher transmission of force.

- Extremely strong, high quality chrome vanadium steel
- Withstands the highest loads
- Exceptionally long service life
- Achieves the highest torque values
- Low deformation under extreme loads

POWERDRIV®

The POWERDRIV® system was developed to meet the particularly high demands in the aviation industry in order to provide the highest level of fit tolerances.
The POWERDRIV® system enables a higher transmission of forces at the ring and reduces wear on the bolt heads.

Perfect Workmanship

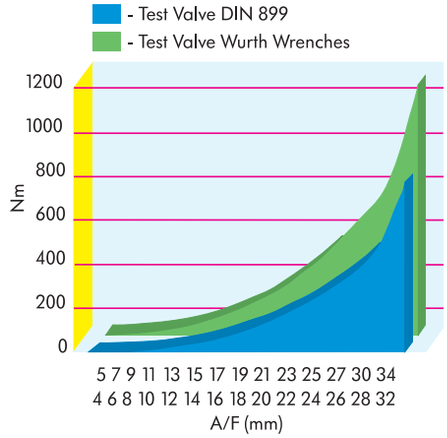
- Nickel pre-treatment provides optimal adhesion of chrome even in extremely heavy duty.
- Round finish without any sharp edges and corners.
- Matte chrome-plating provides sure grip, even with oily hands.
- Exact fit due to high-gloss polish.
- FEM calculation concentrates the material where the loads offer.
- Tightest tolerances of the jaw openings guarantee more reliability and safety in intensive use.

The Principle

The POWERDRIV® does not grip the bolt heads as usual at the corners but on the flanks.

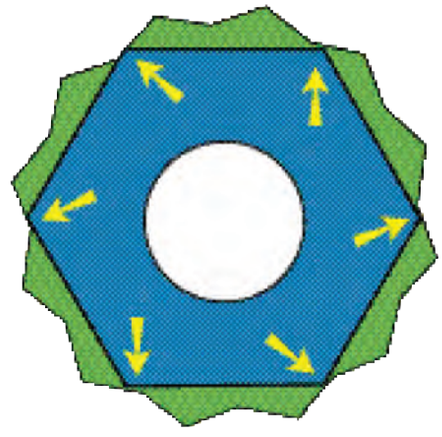
- This enlarges the driving flat, thus permitting a surer grip of the ring and a higher transmission of force.
- The service life of bolts is increased noticeably because rounding off of the bolt heads is avoided.
- Even old and rusty bolts can be undone with POWERDRIV® without any rounding off.

Exceeds DIN Standards by far

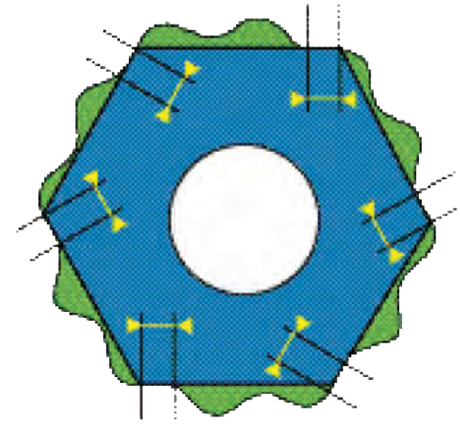


Torque Values in excess of DIN:

Highest torque values for the most extreme conditions.



Without POWERDRIV® - Line pressure



With POWERDRIV® - Line pressure

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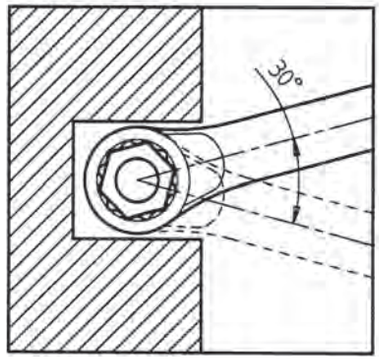
WURTH METRIC THIN LINE DOUBLE OPEN END WRENCH SET

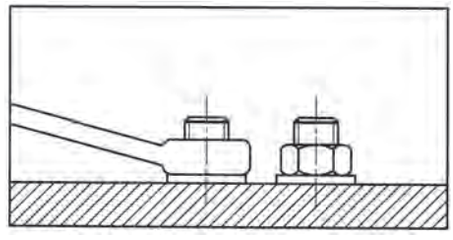
- Standard: DIN 3110 / ISO 1085
- Material: Chrome vanadium steel
- Surface finish: Chrome-plated polished heads
- Jaw position 15°, strong heads for heavy duty use

Set	in mm	Art #
12	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32	**071330443**

WURTH METRIC & US COMBINATION WRENCH SETS

- Ring end POWERDRIV® double hex
- Standard: DIN 3113A / ISO 3318/7738
- Material: Chrome vanadium steel
- Surface finish: Chrome-plated polished heads
- Jaw position 15°, strong heads for heavy duty use
- Double hex ring and jaw position of 15° for an optimal grip ratio, resulting in minimal rotating angle
- The 15° angle of the ring wrench provides more free space for the fingers or to work around obstacles





Set	in mm	Art #
11	8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22	**071330140**

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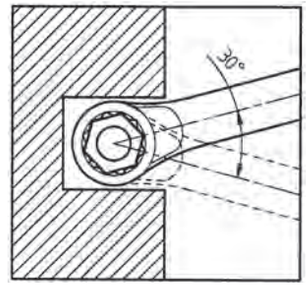
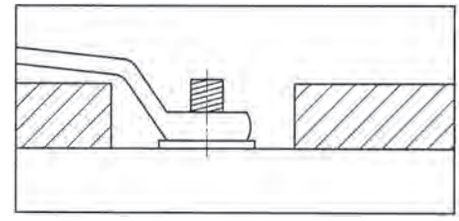
WURTH METRIC DOUBLE ENDED OFFSET BOX END WRENCH SET

- POWERDRIV® double hex
- Standard: DIN 838 / ISO 3318
- Material: Chrome vanadium steel
- Surface finish: Chrome-plated polished heads
- Ring end offset by 18°
- The slim design is characterized by minimized external dimensions, pronounced rounded contours and smooth edges

- Deep-set bolt connections can be loosened optimally due to the deep-offset and fine ring heads



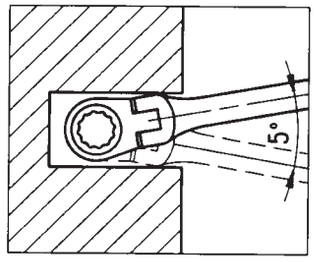


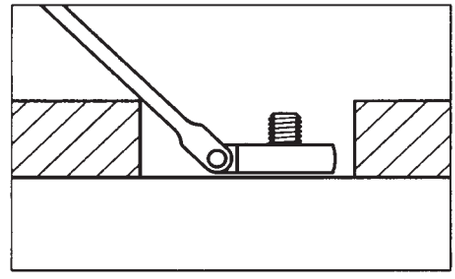
Set	in mm	Art #
8	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	**071330540**

FLEX RATCHET RING WRENCH

- Power take-off: ring end POWERDRIV® bihexagonal, fine pitch, 72 teeth
- Standard: max. torque according to DIN 899
- Material: Chrome-Vanadium steel
- Surface finish: bright polished, chrome-plated
- Geometry: open end offset 15°, ring end 180° joint, sturdy heads for heavy duty use
- Application: loosen screws with open end, unscrew with ratchet mechanism of ring end
- This is a special tool that may not be subjected to loads in excess of maximum torque values. For that reason, the tool is of limited suitability for loosening of tight screws

- The 180° articulated joint of the ring wrench allows easy and flexible access to work, even in close tolerance areas





Sold Separately:

Art. #	in mm	Art. #	in mm	Art. #	in mm
071425308	8	**071425312**	12	**071425316**	16
071425309	9	**071425313**	13	**071425317**	17
071425310	10	**071425314**	14	**071425318**	18
071425311	11	**071425315**	15	**071425319**	19

Set	in mm	Art #
6	8, 10, 12, 13, 17, 19	**071425350**

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RATCHET BIT SET 10 MM DIAMETER

Bit set especially for automobiles and commercial vehicles, 38 pieces.

- Ratchet for 10 mm bits
- Additional adapter allows use of a 1/2" ratchet
- Supplied in a metal box with high quality interior foam compartment with clamping effect

Description	Art #
Ratchet Bit Set	**096512370**

Destination	Drive	Length	Art. #
Ratchet for 10mm bits		175mm	**071412100**
Adapter for 1/2" ratchet		37mm	**07151303**
TX 20 with pin		30mm	**061478820**
TX 25 with pin			**061478825**
TX 27 with pin			**061478827**
TX 30 with pin			**061478830**
TX 40 with pin			**061478840**
TX 45 with pin			**061478845**
TX 50 with pin			**061478850**
TX 55 with pin			**061478855**
TX 20		75mm	**0614788120**
TX 25			**0614788125**
TX 27			**0614788127**
TX 30			**0614788130**
TX 40			**0614788140**
TX 45			**0614788145**
TX 50			**0614788150**
TX 55			**0614788155**

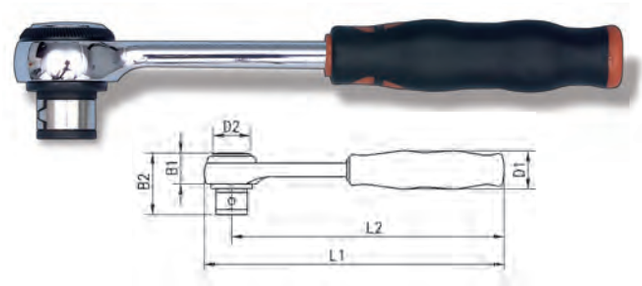
Destination	Drive	Length	Art. #
TX 40		120 mm	**0614788240**
TX 45			**0614788245**
TX 50			**0614788250**
Hexagon socket M5		30 mm	**0614788305**
Hexagon socket M6			**0614788306**
Hexagon socket M7			**0614788307**
Hexagon socket M8			**0614788308**
Hexagon socket M10			**0614788310**
Hexagon socket M12			**0614788312**
Triple Square M5		30 mm	**0614788405**
Triple Square M6			**0614788406**
Triple Square M8			**0614788408**
Triple Square M10			**0614788410**
Triple Square M12			**0614788412**
Triple Square M6		75 mm	**0614788506**
Triple Square M8			**0614788508**
Triple Square M10			**0614788510**
Triple Square M12			**0614788512**
PH 2		30 mm	**0614788902**
PH 3			**0614788903**

Ratchet for 10 mm bits

- Head: 72 teeth, swivel angle 5°, round, compact head
- Shaft: chrome-plated, high-grip 2-component handle

Description	Art #
Ratchet for 10 mm bits	**071412100**

① Ratchet with short 10 mm bit
② 1/2" ratchet with adapter



L1 mm	L2 mm	B1 mm	B2 mm	D1 mm	D2 mm	Art #
175	160	19	33	26	20	**071412100**
Repair Set						**071511311**

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1/4" MULTI-USE SOCKET SET

- Take-off: by-hexagon, multi-use profile
- Geometry: short
- Supplied in a metal box with high-quality foam insert compartment
- Newly developed multi-purpose profile fitting the 5 most common screw heads. Therefore, one set is sufficient for all requirements
- Hexagon metric, square metric, bi-hexagon metric, hexagon inch and external Torx
- High-quality multi-use socket bits guarantee a long service life
- Chrome plated and polished

Description	Art #
1/4" Multi-Use Socket Set, 32 pcs.	**096511032**

Hexagonal metric

Bi-hexagonal metric

Hexagon inch

Square metric

External Torx

Multi-Use Profile	Metric Hex.	US Hex.	Ext. Torx	Square	
mm	mm	inch	TX	mm	Art. #
4	size 4	5/32"	E5	—	**071311304**
5	size 5	—	—	size 4	**071311305**
5.5	size 5.5	7/32"	—	size 4.5	**0713113055**
6	size 6	—	E8	size 5	**071311306**
7	size 7	9/32"	—	—	**071311307**
8	size 8	5/16"	E10	—	**071311308**
9	size 9	11/32"	—	—	**071311309**
10	size 10	3/8"	E12	size 8	**071311310**
11	size 11	7/16"	E14	size 9	**071311311**
12	size 12	15/32"	E16	size 10	**071311312**
13	size 13	1/2"	—	—	**071311313**
14	size 14	9/16"	E18	—	**071311314**

Description	Drive	Length	Art. #
Reversing ratchet		138 mm	**071411151**
Extension		100 mm	**0713118104**
Extension		150 mm	**0713118106**
Universal Joint		33 mm	**0713118301**
Screwdriver handle		216 mm	**0613430311**
Adapter with quick change chuck		30 mm	**07151101**
12 multi-use sockets, one each sizes 4-14		22 mm	**071311304** Thru **071311314**
Bit PH 2		25 mm	**0614176461**
Bit hex, socket size 3			**061417693**
Bit hex, socket size 4			**061417694**
Bit hex, socket size 6			**061417696**
TX 10		25 mm	**06143110**
TX 15			**06143115**
TX 20			**06143120**
TX 25			**06143125**
TX 30			**06143130**
TX 40			**06143140**

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3/8" MULTI-SOCKET SET

- Bit: 12-sided, multi-profile
- Geometry: short
- Supplied in a metal box with high-quality foam insert compartment
- Newly developed multi-purpose profile fitting the 5 most common screw heads. Therefore, one set is sufficient for all requirements
- Hexagon metric, square metric, bi-hexagon metric, hexagon inch and external Torx
- High-quality multi-use socket bits guarantee a long service life
- Chrome plated and polished

Description	Art #
3/8" Multi-Socket Set, 22 pcs.	**096512022**

Hexagonal metric

Bi-hexagonal metric

Hexagon inch

Square metric

External Torx

Multi-Use Profile	6-sd./ 12-sd.	US Hex.	Ext. Torx	Square	
mm	mm	inch	TX	mm	Art. #
6	6	—	E8	5	**071312306**
6.3	6.3	1/4"	—	—	**0713123063**
7	7	9/32"	—	—	**071312307**
8	8	5/16"	E10	—	**071312308**
9	9	11/32"	—	—	**071312309**
10	10	3/8"	E12	8	**071312310**
11	11	7/16"	E14	9	**071312311**
12	12	15/32"	E16	10	**071312312**
13	13	1/2"	—	—	**071312313**
14	14	9/16"	E18	—	**071312314**
15	15	19/32"	—	12	**071312315**
16	16	5/8"	E20	13	**071312316**
17	17	—	—	14	**071312317**
18	18	—	E22	—	**071312318**
19	19	3/4"	E24	—	**071312319**
20	20	25/32"	—	16	**071312320**
21	21	13/16"	E26	17	**071312321**
22	22	7/8"	E28	18	**071312322**

Description	Drive	Length	Art. #
Ratchet		175 mm	**071412151**
Extension		125 mm	**0713128105**
Extension		250 mm	**0713128110**
Universal Joint		55 mm	**0713128301**
18 Multi-Use Sockets, 1 each - Sizes 6-22 mm		25.5 - 31 mm	**071312306 - 071312322**

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1/2" MULTI-SOCKET SET

- Tip: 12-sided, multi-profile
- Geometry: short
- Supplied in a metal box with high-quality foam insert compartment
- Newly developed multi-purpose profile fitting the 5 most common screw heads. Therefore, one set is sufficient for all requirements
- Hexagon metric, square metric, bi-hexagon metric, hexagon inch and external Torx
- High-quality multi-use socket bits guarantee a long service life
- Chrome plated and polished

Description	Art #
1/2" Multi-Socket Set, 23 pcs.	**096513023**

Hexagonal metric

Bi-hexagonal metric

Hexagon inch

Square metric

External Torx

Multi-Use Profile	6-sd./ 12-sd.	US Hex.	Ext. Torx	Square	
mm	mm	inch	TX	mm	Art. #
10	size 10	3/8"	E12	size 8	**071213410**
11	size 11	7/16"	E14	size 9	**071213411**
12	size 12	15/32"	E16	size 10	**071213412**
13	size 13	1/2"	—	—	**071213413**
14	size 14	9/16"	E18	—	**071213414**
15	size 15	19/32"	—	size 12	**071213415**
16	size 16	5/8"	E20	size 13	**071213416**
17	size 17	—	—	size 14	**071213417**
18	size 18	—	E22	—	**071213418**
19	size 19	3/4"	E24	—	**071213419**
20	size 20	25/32"	—	size 16	**071213420**
21	size 21	13/16"	E26	size 17	**071213421**
22	size 22	7/8"	E28	size 18	**071213422**
24	size 24	15/16"	E30	size 19	**071213424**
26	size 26	—	E32	size 21	**071213426**
27	size 27	11/16"	E34	size 22	**071213427**
28	size 28	1-1/8"	E36	size 23	**071213428**
30	size 30	1-3/16"	E38	size 24	**071213430**
32	size 32	1-1/4"	E40	size 26	**071213432**

Description	Drive	Length	Art. #
Reversing Ratchet		250 mm	**0712012**
Extension		125 mm	**0712138105**
Extension		250 mm	**0712138110**
Universal Joint		70 mm	**0712138301**
19 Multi-Use Sockets, 1 each - Sizes M10-M32		36 mm - 44 mm	**071213410 - 071213432**

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1/2" STANDARD SOCKET WRENCH ASSORTMENT

One ratchet

One 125mm extension

One 250mm extension

One Cardan joint

17 Socket Wrench Inserts Sizes

3/8", 7/16", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1-1/16", 1-1/8", 1-3/16", 1-1/4"

ZEBRA QUALITY

Description	Art #
1/2" Standard Socket Wrench Assortment - 21 pieces	**09651321**

ADAPTER ASSORTMENT

Combined adapter assortment with most common socket wrench and bit adapters.

Socket Wrench Adapters (1 each)

1 x 3/4" - 1/2", 1/2" - 3/4", 1/2" - 3/8", 1 x 3/8" - 1/4", 1/4" - 3/8", 3/8" - 1/2"

Bit Adapters

1 x 1/4" - 1/4", 3/8" - 5/16"

ZEBRA QUALITY

Description	Art #
Adapter Assortment - 8 pieces	**09651280**

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PLIER/CUTTER SET (3-PC)

Ergonomic, anti-slip handle for comfortable working conditions and optimal force feel.

Pliers:

For gripping, holding and cutting soft and hard wires and cables. Strength-saving, clean cutting due to specially milled precision cutting edge.

- High-quality tool steel ensures long tool life and precision of gripping and cutting surfaces
- Extra-long cutting edge also for thicker cables
- Cutting edges: with additional inductive hardening
- Surface: polished all around and sealed with clear lacquer
- Grip sleeves: PVC, 2x immersed
- Joint: laid in

Cutter:

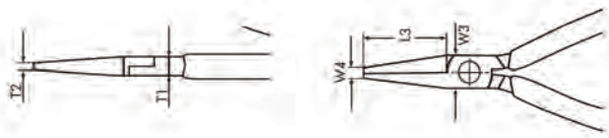
For cutting soft and extremely hard wires and cables.

- High-quality tool steel ensures long life and precision cutting edges
- Cutting edges: with additional inductive hardening
- Surface: polished all around and sealed with clear lacquer
- Grip sleeves: PVC, 2x immersed
- Joint: laid on

Individual Pliers/Cutters NOT sold separately, only as a set.

Description	Art #
Plier/Cutter Set - 3 piece	**071501561**

			Cutting Tolerances		
#	**Tool**	**Length**	**Dia. 1: Med.-Hard Wire**	**Dia. 2: Hard Wire**	**Dia. 3: Piano Wire**
1	Combo Pliers	7" (180 mm)	2.8 mm	2.5 mm	-
Needle Nose Pliers - Details:					
2	Nose Pliers	8" (200 mm)	2.8 mm	2.5 mm	-



L3	W3	T1	W4	T2
77 mm	20 mm	11 mm	4 mm	3 mm
3 Side Cutters	7" (180 mm)	3.8 mm	2.7 mm	2.2 mm

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PANEL POPPER SET

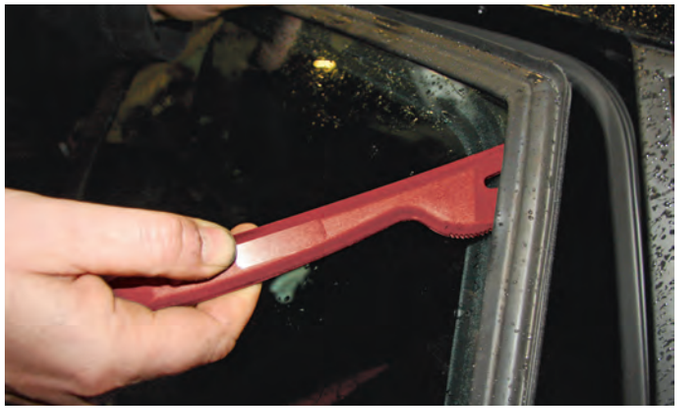
This product is designed to aid in the easy removal of door trim panel, trim fasteners, and mouldings, etc. in any type of vehicle (car, truck, tractor, boats, etc.).

Features

- The tools are designed and manufactured from high quality materials ensuring surrounding trim areas are not damaged when trim is being removed.
- The Panel Poppers are designed to fit a comprehensive set of applications ranging from internal door trims, facia, hand brake gaiters and most other internal & external vehicle trims.
- The Panel Popper Set will fit European, Japanese and American trim applications and is not vehicle-specific.

***Individual Panel Poppers NOT sold separately, only as a set.**

Description	Art #
Panel Popper Set - 11 piece	**071458316**



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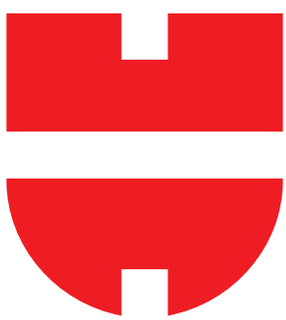

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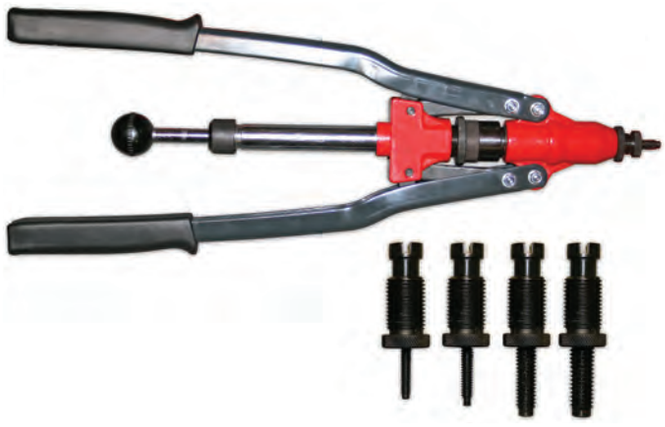
RIVET GUN FOR PLASTIC RIVETS

- Sets most rivets in one stroke without regripping
- Won't break stem before rivet is set
- Won't damage painted, plated or easily marred surfaces

Description	Art #
Rivet Gun for Plastic Rivets	**19490001**

LONG ARM RIVET NUT GUN WITH METRIC MANDRELS



Includes	Art #
4mm, 5mm, 6mm, 8mm and 10mm mandrels	**1917400**

Replacement Mandrels	Art #
4mm mandrel	**091740201**
5mm mandrel	**091740202**
6mm mandrel	**091740203**
8mm mandrel	**091740204**
10mm mandrel	**091740205**

Replacement Nose Pieces	Art #
4mm nose piece	**091704206**
5mm nose piece	**091704207**
6mm nose piece	**091704208**
8mm nose piece	**091704209**
10mm nose piece	**091704210**

Total installation time 11 seconds!

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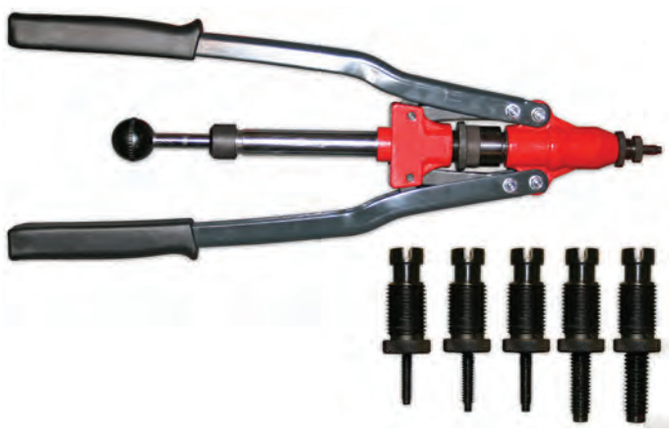
LONG ARM RIVET NUT GUN WITH STANDARD MANDRELS



Includes	Art #
8-32, 10-24, 10-32, 1/4"-20, 5/16"-18 and 3/8"-16 mandrels	**1917300**

Replacement Mandrels	Art #
8-32 mandrel	**091704236**
10-24 mandrel	**091704237**
10-32 mandrel	**091704241**
1/4"-20 mandrel	**091704238**
5/16"-18 mandrel	**091704239**
3/8"-16 mandrel	**091704240**

Replacement Nose Pieces	Art #
8-32 nose piece	**091704241**
10-24/10-32 nose piece	**091704242**
1/4"-20 nose piece	**091704243**
5/16"-18 nose piece	**091704244**
3/8"-16 nose piece	**091704245**

Total installation time 11 seconds!

LONG ARM RIVETER

- The long arms reduce the effort required to set rivets up to 1/4”
- Ideal for auto work, boat building, machine maintenance, etc.
- Supplied with 4 interchangeable noses
- The most powerful hand riveter available

Description	Art #
Long Arm Riveter	**0949120**

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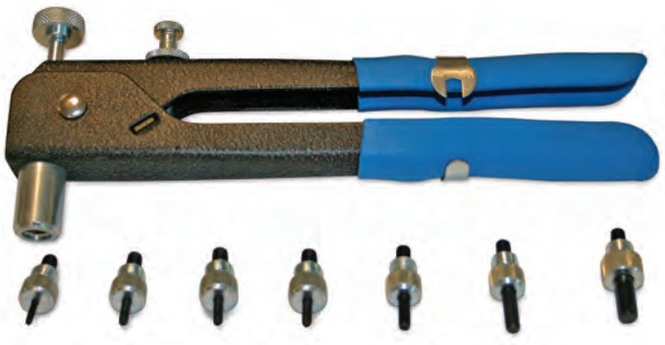
RIVET NUT TOOL WITH STANDARD MANDRELS



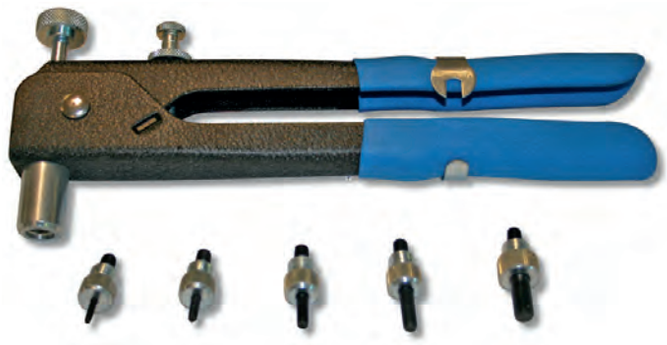
A lightweight but rugged tool for installing Rivet-nuts up to 3/8-16 in aluminum and 1/4-20 in steel. US mandrels included are 6-32, 8-32, 10-24, 10-32, 1/4-20, 5/16-18, 3/8-16.

- Sets Rivet-nuts in one stroke
- Clear sleeve for storage
- Easy install and removal of mandrels
- No fitter and assembler should be without it

Description	Art #
Rivet Nut Tool with Standard Mandrels	**19175510**

Replacement Mandrels	Art #
6-32 mandrel	**19176321**
8-32 mandrel	**19178321**
10-24 mandrel	**191710241**
10-32 mandrel	**191710321**
1/4"-20 mandrel	**191714201**
5/16"-18 mandrel	**1917516181**
3/8"-16 mandrel	**191738161**

RIVET NUT TOOL WITH METRIC MANDRELS



A light weight but rugged tool for installing Rivet-nuts up to 8mm. Metric mandrels included are 3mm, 4mm, 5mm, 6mm, 8mm.

- Sets Rivet-nuts in one stroke
- Clear sleeve for storage
- Easy install and removal of mandrels
- No fitter and assembler should be without it

Description	Art #
Rivet Nut Tool with Metric Mandrels	**191755102**

Replacement Mandrels	Art #
3mm mandrel	**091713**
4mm mandrel	**091714**
5mm mandrel	**091715**
6mm mandrel	**091716**
8mm mandrel	**091718**

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ZEBRA FLEX DRIVERS

- Shaft: Round, flexible
- Drive: For hex head screws
- Head: Bright nickel-plated, interior bore for protruding heads
- DIN 3125
- Use in tight spaces, hose clamps

Socket Dia. mm	Shaft Length mm	Head Length mm	Head Width mm	Overall Length mm	Art #
5	150	96	31	6"	**061328605**
6	150	96	31	6"	**061328606**
7	150	106	35	6"	**061328607**
8	150	106	35	6"	**061328608**

WURTH AIR WEDGE

Inflatable lockout wedge

- Slim design, only 1/16" thick deflated, 2-3/4" maximum inflated
- Will not scratch trim pieces or damage paint or glass
- Easy to adjust air pressure by pressing relief button
- Sturdy plastic envelope is tightly sealed and cannot be over-inflated
- Air Pressure: 220-440 psi
- Reinforced man-made material

Description	Art #
Air Wedge	**07156780**

NOTE: Inflate the Air Wedge with care. WURTH cannot be held responsible for any direct or indirect damages to the user or vehicle.

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BRAKE FLUID TESTER

A handy tester for determining the brake fluid quality (optimized for DOT 4).

For best results, submerge just the tips of the probes into the brake fluid. Do not submerge the entire probes into the brake fluid, as this may result in false readings.

- 5 LED's for accurate indication of water content in the brake fluid in stages of 0%, <1%, approx. 2%, approx. 3%, >4%
- TUV certified for safety
- Robust with protective cap for professional use
- Small and handy, always ready for use
- For use in car, truck and motorcycle workshops and in service areas
- Battery included

Description	Art #
Brake Fluid Tester	**071553200**
Replacement Battery	**071553201**

6" DIGITAL CALIPER

- Does both metric and standard
- Comes with hard plastic carrying case

Description	Art #
6" Digital Caliper	**07157619**
Replacement Battery	**0827085351**

CRIMP CLAMP TOOL

Description	Art #
Crimp Clamp Tool	**154102541**

Crimp Clamp Tool can be used on Ear Clamps

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BODY & FENDER DENT PULLING SYSTEM

By attaching the tension adapters, dents in different materials and surfaces can be pulled out. Subsequent painting of many dents may not be needed.

WURTH Patented Product

Description	Art #
Body & Fender Dent Pulling System	**0691500111**

Includes			
#	**Description**	**Qty**	**Art #**
1	Slide Hammer	1	**0691500112**
2	Glue Sticks	26	**0890100057**
3	Adapter - round, stiff, yellow	10	**0691500115**
4	Adapter - round, flexible, purple	10	**0691500116**
5	Adapter - oval, stiff, yellow	10	**0691500117**
6	Adapter - oval, flexible, purple	10	**0691500118**
7	Adapter - round, small, blue	10	**0691500121**
8	Lifter for Adapter	1	**0691500114**
9	Spreader - blue	2	**0691500120**
10	Clean Prep	1	**08909380**
11	Electric Glue Gun	1	**0702100057**
12	Scuff Pads	3	**158544003**
13	Light Duty Leather Gloves	1 pair	**0899400**
14	Low Lint Wipes	50	**0899800901**
	WURTH Freeze Spray (not included)		**18909902**

Features

- No removal of paint coating - No repainting
  (The success of the repair without repainting depends on the quality of the paint and how the product is used)
- No disassembly of the interior trim and no disconnection of the battery - No disassembly/assembly times
- No welding burns on the inner side of the body - No reworking required
- The low generation of heat allows work even on critical components
  Universal application, e.g. on motorcycle fuel tanks, stainless steel containers etc
- The large-surface adapters enable smooth straightening of the dent - No reworking required compared to spot welding methods

Notice

Do Not Apply Adapters To Hot Surface.

Application of the Adapters

- Five different tension adapters included in the set enable optimized work on small, large, round or long dents.
- The adapters can be reused and trimmed.

Application on the following materials

- Painted surfaces
- Steel sheet, blank or galvanized
- Stainless steel
- Aluminum
- Sheet gauges from 0.5 to 2mm

Freeze Spray
Art. # 1890 9902
(Sold Separately)

MAXI LIFT

Description	Art #
Maxi Lift	**0691500140**
Adapter Bolt (sold separately)	**0691500141**

- One hand operation permits hammer work on boundary of dent
- Excellent for roof & trunk repairs

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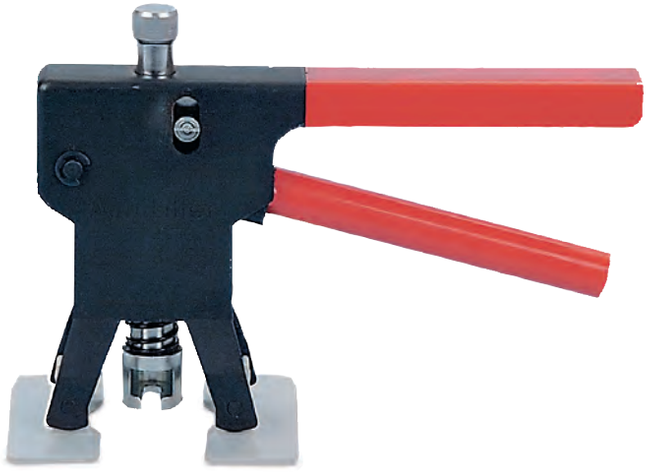
MINI LIFTER KIT

Description	Art #
Mini Lifter Kit	**0691500252**

Includes				
#	**Description**	**In Kit**	**Qty**	**Art #**
1	Mini Lifter Tool	1	1	**0691500180**
2	Special Glue Stick	10 pcs	10 pcs	**0890100050**
3	Adapter Ball Shaped	16 mm	5 pcs	**0691500160**
	Adapter Ball Shaped	21 mm	5 pcs	**0691500161**
4	Adapter Ball Shaped	27 mm	5 pcs	**0691500162**
	Adapter Ball Shaped	32 mm	5 pcs	**0691500163**
5	Contact Feet	1 pair	1 pair	**0691500156**
6	Wedged Scraper	1	1	**07145832**
7	Straightening Cone	1	1	**0691500150**
8	Light Duty Leather Gloves	1 pair	1 pair	**0899400**
9	Cleaning Cloths	1 pack	75	**0899800901**
	Clean Prep	not included	3	**08909380**
	WURTH Freeze Spray	not included	3	**18909902**
10	19" Tool Box	1	1	**1695590651**



The Mini Lifter is especially suitable for repairing small, soft dents on various materials.

Features

- Small, light and very handy, easy to use tool
- The contact feet can be set precisely on the dent so the edge of the dent is not pulled up
- The special swiveling contact feet adapt to any contour for optimal support and gentle treatment of surface finish
- Reverse deformation can be verified by the scale on the tool, assuring controlled reverse deformation of the dent
- Advanced adapters with ball shape and improved bonding surface, assuring best possible work results when repairing small dents

WURTH Patented Product

Note

The adapters Art. # 0691 500154 & 155 also fit the Dent Lifter and Maxi Lifter. However, the Dent Lifter Art. # 0691 500115-122 cannot be inserted in the Mini Lifter.

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1/4" ANGLE HEAD DIE GRINDER

Description	Art #
1/4" Angle Head Die Grinder	**1703000875**

- Positive grip - 1/4" capacity collet chuck
- Lever throttle for feathering control
- Compact and Lightweight
- Built-in regulator
- Front exhaust

Specifications	
Collet Size	1/4"
Free Speed	20,000 rpm
Overall Length	5"
Net Weight	1 lb.
Motor	1/3 hp
Air Inlet Thread NPT	1/4"
Air Hose I.D. Size	3/8"
Average Air Consumption	3 cfm
Air Pressure	90 - 120 PSI
Sound Pressure	92.3 dB(A)
Sound Power	103.7 dB(A)

PNEUMATIC IMPACT WRENCH WITH 1/2" DRIVE

Reliable, powerful impact wrench with fast torque build-up. Recommended maximum bolt size: M15. Ideal for changing tires.

The reversing piston and the four tightening torque stages can be operated with one hand and enable optimum adaptation to the task at hand.

- Rugged and well-balanced unit featuring an aluminum housing - long service life and optimum center of gravity
- Rubber-coated and ergonomically-shaped handle, user-friendly clockwise/counterclockwise switching and adjustable trigger - the handle does not become cool during work
- High-quality pin impact mechanism in oil tank with six-vane motor - increased service life thanks to constant lubrication
- Nearly vibration-free
- 3-year warranty on manufacturing and material defects

Technical data		
Type		DSS 1/2" H
Square drive		1/2"
Working torque*	in Nm	70 - 470
Max. releasing torque	in Nm	569
Avg. operating pressure	in bar	6.3
Weight	in kg	2.3
Dimensions	(L x W x H) in mm	195 x 64 x 202
Avg. air consumption in	L/min	102
Connection thread	in inches	1/4"
Minimum hose dia.	in mm	8
Sound pressure level	in db(A)	92

* The working torque is the torque usually achieved under average working conditions. It depends on the highly varying ambient conditions (air pressure, hose diameter, soiling etc.).

Description	Art. #
Pneumatic Impact Wrench with 1/2" Drive	**07037360**

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PNEUMATIC IMPACT WRENCH WITH 1" DRIVE AND 6" LONG SHAFT

Very rugged and powerful impact wrench with long drive square. Ideal for service work on trucks and buses, as well as on construction and agricultural machines.

- Rugged aluminum housing - Long service life.
- Ergonomically shaped handle, 360°- rotatable additional handle, user-friendly clockwise/counterclockwise switching and adjustable trigger
- High-quality double hammer striking mechanism - relatively low air consumption despite the dependable maximum power values and long service life
- 3-year warranty on manufacturing and material defects

Description	Art. #
Pneumatic Impact Wrench with 1" Drive and 6" Long Shaft	**07037800**

Square drive	Working torque* in Nm	Max. loosening torque in Nm	Avg. operating pressure in bar	Weight in kg	Dimensions (L x W x H) in mm	Avg. air consumption in L/min.	Connection thread in inches	Minimum hose dia. in mm	Sound pressure level in dB(A)
1"	996 – 1,870	2,440	6.3	10.93	512 x 109 x 188	370	1/2"	11	95

* The working torque is the torque usually reached under average working conditions. It is dependent on the highly variable ambient conditions (air pressure, hose diameter, soiling etc.).

360°- rotatable additional handle

Through-hole for locking pin in 1" square

360°- rotatable air inlet

Level	Tightening torque in Nm, approx.
1	996
2	1,355
3	1,518
4	1,870

The clockwise/counterclockwise switching and the four tightening torque levels enable optimum adaptation to the respective application.

360°- rotatable air outlet on the bottom of the pneumatic impact wrench. The exhaust air can be expelled in the desired direction.

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EXHAUST MANIFOLD REPAIR KITS

Designed to assist in the removal and subsequent replacement of broken exhaust manifold mounting studs/bolts in a variety of domestic light and commercial truck (pick-ups, vans, etc.) engines.

- 2-year manufacturer's defect warranty
- Made in the USA

See the following pages for details on specific Exhaust Manifold Repair Kits

Features

- CNC machined Precision Jig Plate reduces time for stud removal by 60%.
  Precision Jig Plate alignment of +/-0.003" of stud center significantly reduces probability of cylinder head damage.
- Can be mounted in any of eight positions to reach every stud.
- Includes:
  - Precision Jig Plate
  - Machine Tooling Bit - 1/8" (Art #1715018)
  - Deburring Tool Assembly (Art #17151000)
  - Screw Extractor -Standard (Art #17154000) – Ford Gasoline & Dodge Gasoline Kits
  - Screw Extractor – Heavy Duty (Art #17154001) – GM Inline/V8 & Ford Diesel Kits
  - Precision Mounting Fastener – 8mm (Art #17152000) – Ford Gasoline/Diesel, GM Inline, & Dodge Gasoline Kits
  - Precision Mounting Fastener – 10mm (Art # 17152000) – GM V8 Kit
  - Precision Alignment Pin (Art # 17153000) – Ford Gasoline/ Diesel & Dodge Gasoline Kits
  - Drill Chuck
  - Drill Chuck Key
  - Heavy-Duty Blow Molded Protective Case
  - User Manual

EXHAUST MANIFOLD REPAIR KIT - FORD GASOLINE

Description	Art #
Exhaust Manifold Repair Kit - Ford Gasoline	**1715100**

Vehicle Applications

Ford F-Series Pickups, Super Duty Trucks, Econoline Vans, Explorer®, Expedition®, Excursion®, and Ford Drive Chassis – including Recreational Vehicles.

Engine Applications

Ford Gasoline 4.2L, 4.6L, 5.4L, and 6.8L.

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EXHAUST MANIFOLD REPAIR KIT - FORD DIESEL

Description	Art #
Exhaust Manifold Repair Kit - Ford Diesel	**1715200**

Vehicle Applications
Ford F-Series Pickups, Super Duty Trucks, Econoline Vans, Excursion®, and Ford Drive Chassis – including Recreational Vehicles.

Engine Applications
Ford Diesel 6.0L and 6.4L.

EXHAUST MANIFOLD REPAIR KIT - GM INLINE

Description	Art #
Exhaust Manifold Repair Kit - GM Inline	**1715300**

Engine Applications
General Motors Inline 2.8L, 3.5L, 3.7L, and 4.2L.

Vehicle Applications
GM/GMC - Trailblazer® SUV, Canyon® and Colorado® Pickup, and HUMMER®.

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EXHAUST MANIFOLD REPAIR KIT - GM V8

Description	Art #
Exhaust Manifold Repair Kit - GM V8	**1715400**

Vehicle Applications
GM/GMC/CADILLAC Silverado and Sierra Pickups, Vans, Escalade®, Suburban®, Yukon® SUVs, HUMMER®, and GM Drive Chassis – including Recreational Vehicles.

Engine Applications
General Motors V8 4.8L, 5.3L, 5.7L, 6.0L, and 6.2L.

EXHAUST MANIFOLD REPAIR KIT - DODGE HEMI® GASOLINE

Description	Art #
Exhaust Manifold Repair Kit - Dodge HEMI® Gasoline	**1715500**

Vehicle Applications
Dodge Ram® Pickup, Dodge Drive Chassis – Challenger® and Charger®, and Durango® SUV.

Engine Applications
Dodge HEMI® 5.7L.

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EXHAUST MANIFOLD REPAIR PARTS - MACHINE TOOLING DRILL BITS

These precision commercial machine shop duty drill sets are machine turned on a lathe for a fast and effective drilling operation - not made by crimping and grinding like most bits. Extremely accurate in both length and diameter with tolerances exceeding 10X those of other high quality drill bits. Drilling up to RC50 hardness, the Würth Machine Tooling Drill Bits will cut through most bolts/studs encountered in most gasoline or diesel engines.

Features

- Commercial Machine Shop Duty, +/- 0.0005" diameter tolerance
- Machine turned for accuracy and repeatability
- Solid Cobalt
- Double Fluted
- Micro point
- 135 degree cutting
- 57 degree secondary point
- Made in the USA

For use with all Exhaust Manifold Repair Kits

Description	Usage	Qty.	Dia.	Length	Art #
Machine Tooling Drill Bit – 1/8"	Standard replacement for all kits.	3	0.1250"	1.875"	**1715018**
Machine Tooling Drill Bit – 3/16"	Used in extreme corrosion applications where application may warrant a larger stud extractor.	2	0.1875"	2.250"	**17150316**
Machine Tooling Drill Bit – 17/64"	Used in extreme corrosion applications for nearly complete removal of stud remnants (after use of the 3/16" machine tooling drill bit). Helps to preserves cylinder head thread if used properly.	1	0.2656"	2.200"	**171501764**

EXHAUST MANIFOLD REPAIR PARTS - DEBURRING TOOL ASSEMBLY

Broken exhaust studs unwind during fracture like a coil spring, leaving behind a burr that acts like a lock washer, lodging the remnant into the head. This increases the complexity of the repair and often leads to a broken stud extractor. This precision tool quickly removes the burr, cleans both the stud and tapped hole in just four seconds.

Description	Art #
Deburring Tool Assembly	**17151000**

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EXHAUST MANIFOLD REPAIR PARTS - PRECISION MOUNTING FASTENERS

Precision turned stainless steel hexagonal fasteners are engineered to ensure accurate alignment of the Exhaust Manifold Repair Kits.

No.	Description	Usage	Qty.	Art #
1	Precision Mounting Fasteners – 8 mm	For use with Ford gasoline/diesel, Dodge gasoline, & GM inline kits.	2	**17152000**
2	Precision Mounting Fasteners – 10 mm	For use with GM V8 kits.	2	**17152001**

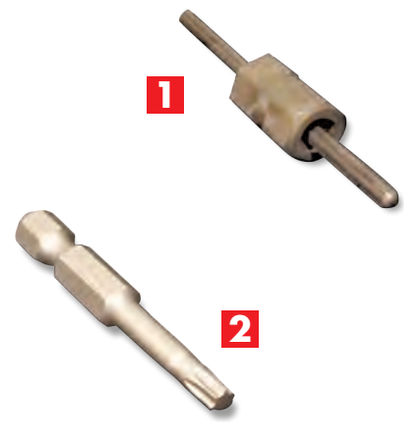
EXHAUST MANIFOLD REPAIR PARTS - PRECISION ALIGNMENT PIN

For use with Ford gasoline/diesel & Dodge gasoline kits (not for GM kits)
Used when only one Precision Mounting Fastener can be used for mounting as a result of multiple damaged studs. The Precision Pin is precision CNC turned out of solid stainless steel. Simply place the Precision Pin over a damaged stud, tighten the Precision Mounting Fastener and the device will accurately align the tool for easy drilling operation.

Description	Art #
Precision Alignment Pin	**17153000**

EXHAUST MANIFOLD REPAIR PARTS - SCREW EXTRACTORS

Use in combination with Machine Tooling Drill Bit – 1/8" (Art # 1715018) for applications where higher torque is required for removing case hardened exhaust manifold studs.



No.	Description	Usage	Art #
1	Screw Extractor – Standard	For use with Ford gasoline & Dodge gasoline kits.	**17154000**
2	Screw Extractor – Heavy Duty	For use with Ford diesel, GM inline, & GM V8 kits.	**17154001**

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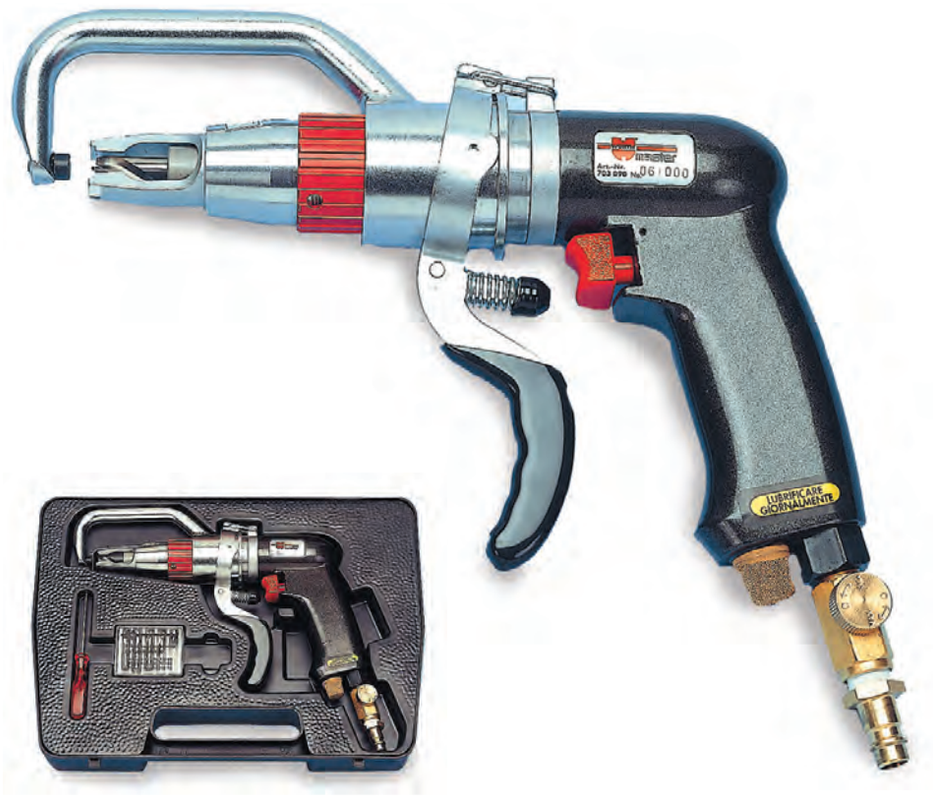
VARIO DRILL



Description	Art #
Vario Dril	**1703090**

Features

- For fast and easy removal of spot welds
- Contact pressure frame can be turned 360° and prevents slip-off. It enables easy working even in inaccessible places.
- Contact pressure frame can be assembled quickly without additional tools
- Cutting depth is infinitely variable and is not effected by the contact pressure frame
- Only use original HSCO weld point cutters
- 1 year warranty

Specifications	
Speed	1,300 rpm
Air Pressure	6 to 8 bar
Weight	Approx. 4 lbs.
Air Consumption	250 l/min.

Set Includes	Qty.
Vario Drill VD 90	1
Hex Head Socket	1
Cobalt Cutter 6mm	1
Cobalt Cutter 8mm	3
Cobalt Cutter 9mm	1

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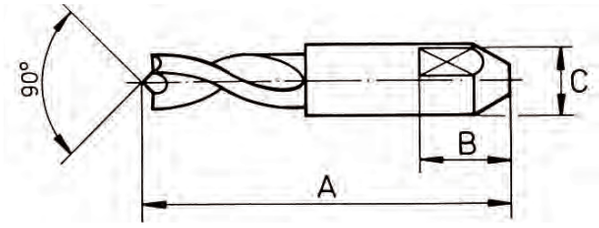
VARIO POINT CUTTERS

Titanium HSCO/TIN

- No need for center-punching
- Service life enhanced by a factor of between 2 and 3
- High cutting speed
- Cobalt with Titanium-Nitride coating

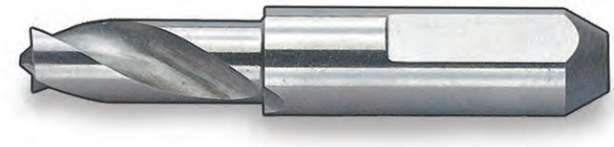
Diameter	Art #
6 mm	**0710606**
8 mm	**0710808**
9 mm	**0710909**

Length (A)	Shaft Length (B)	Shaft Dia. (C)
44.7 mm	17 mm	7.5 mm



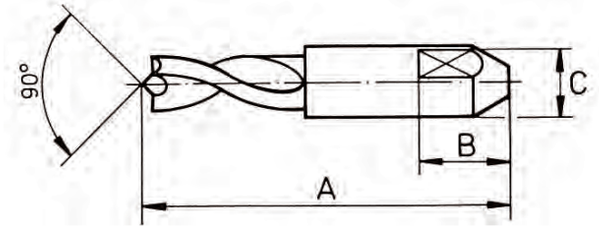
Cobalt HSCO

- No need for center-punching



Size	Art #
6 mm	**071060**
8 mm	**071080**
9 mm	**071090**

Length (A)	Shaft Length (B)	Shaft Dia. (C)
44 mm	16 mm	7.5 mm

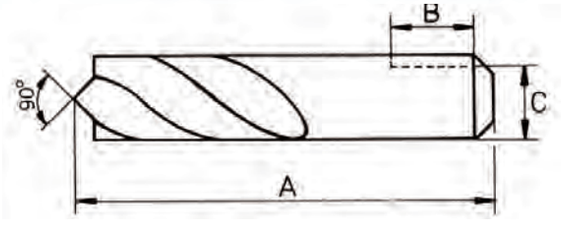


Spottle Gun Cobalt HSCO

- No need for center-punching

Size	Art #
8 mm	**0710081**

Length (A)	Shaft Length (B)	Shaft Dia. (C)
38 mm	10 mm	7.5 mm



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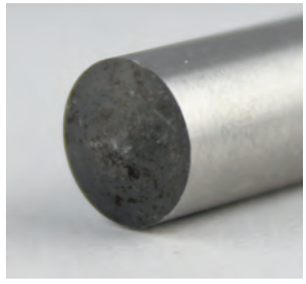
8.0MM X 80MM HSCO BIT

Features

- High Speed Steel/Cobalt (HSCo) alloy
- Center Nib
- Use with any chuck type drill
- Operate at max. 1800 RPM

Designed for efficient removal of spot welds in high strength steel. High speed steel allows for faster cutting speeds and the Cobalt alloy helps maintain the hardness at higher temperatures. The centering nib helps start and set the bit. The flat lip angle of the tip ensures strong support for the cutting edge.



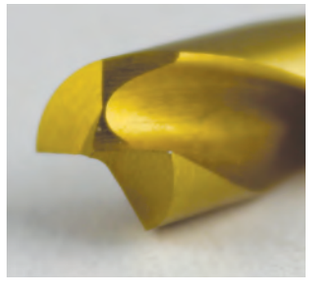
Description	Art #
8.0mm x 80mm HSCo Bit	**07108800**

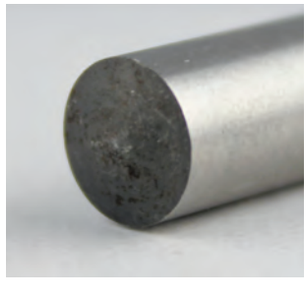
8.0MM X 80MM HSCO TIN BIT

Features

- High Speed Steel/Cobalt (HSCo) alloy with Titanium Nitride (TiN) coating
- Coating extends cutting life
- Center Nib
- Use with any chuck type drill
- Operate at max. 1800 RPM

The high speed steel and cobalt (HSCo) alloyed drill bit is coated with a layer of titanium nitride (TiN), a very hard ceramic material giving the bit it's golden color. This heat resistant coating can extend the cutting life by three or more times, and cannot be properly sharpened, as the new edge will not have the coating provided.





Description	Art #
8.0mm x 80mm HSCo TiN Bit	**07108801**

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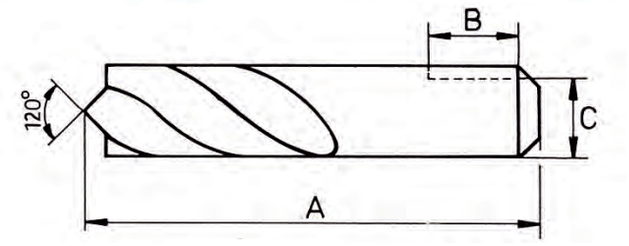
ZEBRA WELD POINT CUTTER

For High Strength Metals Such As Boron

- Suitable for Vario Drill

Size	Art #
8 mm	**07108080**

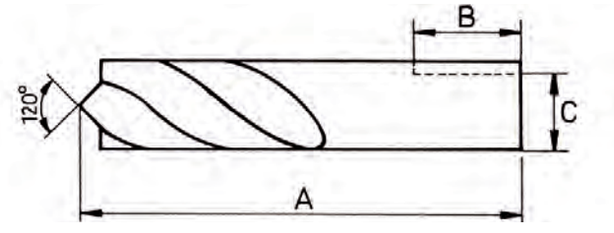


Length (A)	Shaft Length (B)	Shaft Dia. (C)
44 mm	22 mm	7.5 mm

For High Strength Metals Such As Boron

- Suitable for drills with pneumatic advance (screw -nail drill)

Size	Art #
8 mm	**07108081**



Length (A)	Shaft Length (B)	Shaft Dia. (C)
44 mm	22 mm	7.5 mm

Tips to enhance the lifespan of the weld point cutter:

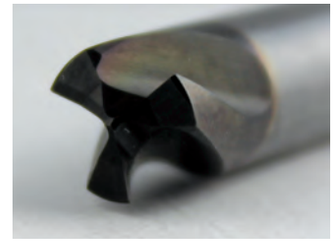
- The cutter should have reached its maximum speed prior to contact with the workpiece
- Set the centering point gently down on the sheet, the drill swiftly with even pressure
- Wherever possible, we recommend using a contact pressuredevice

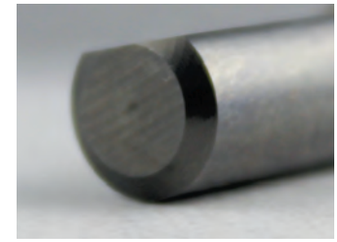
8.0MM X 45MM BORON STC BIT (TRI-FLUTE)

Features

- Tungsten-Carbide
- Triple Fluted
- Friction-Free Multi-layered Coating
- For Boron Steel, UHSS & Usibor
- Operate at 1000 RPM

The Boron STC drill bit, made from tungsten-carbide, is designed specically for use on spot welds made for boron steel with tensile strength from 450N/mm2 - 1.580N/mm2. Triple fluted to spread the torque forces over a greater area, and special multi-layer coating is applied to help reduce friction.





Description	Art #
8.0mm x 45mm Boron STC Bit	**07108090**

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MINI 3″ AIR COMPOSITE POLISHER KIT

Exhaust

Description	Art #
Mini 3" Air Composite Polisher Kit	**0703999012**

Features

- Compact lightweight tool permits polishing in hard to reach areas
- Powerful 0.45 hp direct drive bring all the power to the work area
- Composite body is durable and resistant to chemicals
- Speed Control gives you power adjustments on demand without the need of air regulator
- Low RPM start via speed control ensures there are no surprise starts
- Exhaust valve at the base of the handle ensures disturbance free work area
- Ergonomically designed pistol grip handle provides extra control of movement and user comfort

Included in kit:

(1) 3″ Air Composite Polisher
(1) 3″ Velcro Backing Pad with Female Threads
(1) Spanner Wrench
(1) Blow molded case for easy storage and transport of tool and polishing pads

Polishing Pads sold seperately (see below)

Technical Data						
Spindle Size	**Free Speed**	**Air Hose Size (Inner Dimension)**	**Air Pressure**	**Average Air Consumption**	**Length**	**Net Weight**
5/16″-24T	2100 RPM	3/8″ (10mm)	90-120 psi	3.5 cfm	5.3″ (135mm)	1.70 lbs. (0.77 kg)

MINI POLISHING PADS

For use with the Mini 3" Air Composite Polisher

Description	Art #
3.5" Top Wool Polishing Pad	**05852485**

Description	Art #
3.5" Soft Foam Polishing Pad	**05853085**

Description	Art #
3.5" Spider Polishing Pad	**05852985**

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ELECTRIC POLISHER

Easy to use polishing machine which includes a D-Handle and a Straight handle which can be attached on either side of the machine to accommodate both left and right handed technicians. The variable speed motor can go from 0-3000 rpm and can be controlled with the trigger switch so that the operator can control the amount of cut and polishing that the machine will output. The 11 Amp motor is strong enough for deep polishing jobs without the machine losing speed.

Backing and pads sold separately

Description	Art #
Electric Polisher Set	**0702999050**

Features

- 3000 RPM, 11 Amp Motor
- 120V, 60 Hz
- Adjustable dial speed control
- Lock-on switch for comfort during extended use
- Auxiliary handle mounts either side for left or right-hand use

Specs	
Amps	11
Weight	7 lbs (3.175 kg)
Arbor	5/8" - 11 UNC
Includes	• D-Handle • Straight Handle • Spanner Wrench • Polishing Pad Arbor • Hex Key

Set Includes		Qty
A	D-Handle	1
B	Straight Handle	1
C	Polishing Pad Arbor	1
D	Spanner Wrench	1
E	Hex Key	1

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NUT BUDDY

The WURTH Nut Buddy is an innovative, easy-to-use tool that allows for breaking loose even the most stubborn wheel lug nuts and bolts. It's designed to be used on commercial or agricultural vehicle wheels.

Using a 58:1 gear ratio, the WURTH Nut Buddy multiplies hand cranking force by 58 times, making old, rusted and seized lug nut and bolt removal easier than ever before!

What's Included

- Heavy-duty plastic molded carrying / storage case
- WURTH Nut Buddy tool
- Cranking handle
- Connection rod (1:1 ratio)
- Two sockets: 1-5/16" (33 mm) and 1-1/2" (38 mm)
- Instruction / component sheet

Note: These components are not available for individual purchase.

1 Year Warranty

Description	Art #
WURTH Nut Buddy	**071415000**

Please note: This tool is specifically designed to be used by hand only! Using a pneumatic or power wrench to crank the tool will cause damage to its internal components which will void the warranty.

Specifications	
Tool Gear Ratio	58:1
Tool rated torque output	2,950 ft lb (4,000 Nm)
Tool Dimensions (approx.)	
Overall length	14"
Shaft length	12"
Major shaft diameter	3"

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AUTO NUT BUDDY

Like the original Würth Nut Buddy, the Auto Nut Buddy allows for breaking loose, stubborn wheel lug nuts and bolts, but is specifically designed for car and light truck lug nuts.

Using an 18:1 gear ratio, the Würth Auto Nut Buddy multiplies hand cranking force by 18 times, making old, rusted and seized lug nut and bolt removal on cars and light trucks easier than ever before!

The Auto Nut Buddy tool and cranking handle are made of stainless steel
and come with 3 chrome vanadium 1/2" sockets (17mm, 19mm, & 21mm).

What's Included

- Heavy-Duty Plastic Molded Carrying / Storage Case
- Cranking Handle (features a 1/2" drive for 1:1 ratio hand tightening/loosening)
- 3 Chrome Vanadium 1/2" Sockets (17mm, 19mm, 21mm)
- Würth Auto Nut Buddy Tool
- Instruction/Component Sheet

Note: Components are not available for individual purchase.

1 Year Manufacturer Defect Warranty

Description	Art #
Auto Nut Buddy	**071415001**

Although the Auto Nut Buddy comes with 3 chrome vanadium sockets, consider using the following to protect expensive wheels from socket scratches:

Plastic Lined Lug Sockets

Wrench Size	Art #
3 pc. Set	**0713132890**
Set Includes:	
17 mm	**0713132817**
19 mm	**0713132819**
21 mm	**0713132821**
Plastic Cover	**0713132891**

Important Notes:

- This tool is specifically designed to be used by hand only! Using a pneumatic or power wrench to crank the tool will cause damage to its internal components which will void the warranty.
- It is recommended not to use a length extender on the hand crank as it may cause damage to the lug nuts.

Specifications	
Tool Gear Ratio	18:1
External Drive	1/2"
Package Dimensions (approx.)	11" x 9" x 3"
Total Weight	5.75 lbs.
Max. Torque	850 ft. lb. (1,152 Nm)

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REFLECTIVE WINCH STRAP

The 30 Foot Reflective Wurth Winch Strap is a rugged, commercial duty replacement strap for flatbed trailer cargo operations. Attach to winch tensioner on side of trailer. Engineered with ultra heavy-duty polypropylene webbing. Safe work load of 5,000lbs. Excellent security for traveling long distances. Applications include lumber, construction & farm equipment and supplies, oversized building materials, hay bales, oversized storage tanks. Note: this strap is not designed for lifting.

Commercial duty winch strap.

Features

- High capacity flatbed strap designed for commercial duty cargo transport
- Reflective, yellow industrial grade webbing for enhanced visibility and greater safety
- Long 30 foot length for going over tall cargo
- Heavy duty plated steel flat hook

Specs

- Yellow Strap Color
- Woven Polypropylene
- Reflective Threads
- Black Coated Steel Flat Hook
- 30 Ft. Strap Length
- 4" Strap Width
- 5,000 Lb. Safe Work Load
- 15,000 Lb. Break Strength
- 1 per package

Description	Art #
30 ft. x 4" 15,000 lb. Reflect Winch Strap - 2 per package	**0713922233**

10 FT. REFLECTIVE RATCHET STRAPS

The 10 Foot Reflective Wurth Ratchet Strap is a performance ratcheting tie down strap that can be used for light to medium duty applications. Perfect for strapping down smaller cargo weighing less than 1,000lbs. For small to medium sized loads often hauled in a large pickup truck, van, box truck or on a medium trailer. This includes tool boxes, ladders, boxes, trunks, tires, pallets, building materials, plumbing pipe, spools of cable and hose, small engine blocks, lawn mowers, smaller equipment and machines, welding tanks, air compressors, air conditioners, fencing, small trees, filing cabinets, furniture, appliances, ATVs, motorcycles, jet skis, snow mobiles, etc.

Stronger & more user friendly than standard ratcheting tie downs!

Features

- Reflective, industrial grade webbing for enhanced visibility and greater safety
- Ergonomic, flared "Power Grip" handles for maximum leverage
- Aluminum rails won't rust
- Sewn-in, "Soft-Tie" loop secures cargo without scratching paint or chrome
- Overmolded, sturdy release pawl prevents malfunction
- Large head hex bolts protect axle
- Super strong coated steel hooks
- SmartWeb™ technology provides webbing that is stronger and more abrasion resistant than standard webbing

Specs

- Orange Strap Color
- Woven Polypropylene
- Reflective Threads
- Black Coated Steel Closed-End S-Hooks
- 10 Ft. Strap Length
- 1-1/4" Strap Width
- 1,000 Lb. Safe Work Load
- 3,000 Lb. Break Strength
- 2 per package

Description	Art #
10 ft. 3000 lb. Reflect Ratchet Strap - 2 per package	**0713922230**

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14 FT. REFLECTIVE RATCHET STRAPS

The 14 Foot Reflective Wurth Ratchet Strap is a performance ratcheting tie down strap that can be used for heavy duty to commercial duty applications. Perfect for strapping down medium sized cargo weighing less than 1,667lbs. For heavier loads often hauled in an extra-duty pickup, box truck or on a large trailer or flatbed. Excellent security for traveling longer distances. Applications include UTVs, small to medium tractors, construction & farm equipment, large engine blocks, storage tanks, water tanks, hot water heaters, heavier building materials, etc. Can secure signs, equipment, boats, aircrafts, shelters, canopies and banners to the ground.

Features

- High capacity tie downs designed for heavy duty cargo transport
- Reflective, yellow industrial grade webbing for enhanced visibility and greater safety
- Longer length for going over tall cargo
- Ultra padded handle with over-molded release pawl for extra grip strength
- Heavy duty welded and plated steel double "J" hooks
- Corrosion resistant plating on ratchet for a long service life
- Hex bolt helps protects ratchet mechanism

Specs

- Yellow Strap Color
- Woven Polypropylene
- Reflective Threads
- Clear Zinc Coated Steel Claw Hooks
- 14 Ft. Strap Length
- 1-1/2" Strap Width
- 1,667 Lb. Safe Work Load
- 5,000 Lb. Break Strength
- 2 per package

Commercial duty padded ratchet tie down.

Description	Art #
14 ft. 5000 lb. Reflect Ratchet Strap - 2 per package	**0713922231**

30 FT. REFLECTIVE RATCHET STRAP

The 30 Foot Reflective Wurth Ratchet Strap is a performance ratcheting tie down strap that can be used for demanding commercial duty applications. Engineered for large and heavy loads often hauled on a large trailer or flatbed. Cargo should weigh less than 3,333lbs. Excellent security for traveling long distances. Applications include construction & farm equipment and supplies, oversized building materials, tractors, hay bales, oversized storage tanks. Can secure equipment, boats, aircrafts and shelters to the ground.

Features

- High capacity tie downs designed for commercial duty cargo transport
- Reflective, yellow industrial grade webbing for enhanced visibility and greater safety
- Long 30 foot length for going over tall cargo
- Ultra padded handle with over-molded release pawl for extra grip strength
- Heavy duty welded and plated steel double "J" hooks
- Corrosion resistant plating on ratchet for a long service life
- Hex bolt helps protects ratchet mechanism

Commercial duty padded ratchet tie down.

Specs

- Yellow Strap Color
- Woven Polypropylene
- Reflective Threads
- Clear Zinc Coated Steel Claw Hooks
- 30 Ft. Strap Length
- 2" Strap Width
- 3,333 Lb. Safe Work Load
- 10,000 Lb. Break Strength
- 1 per package

Description	Art #
30 ft. 10,000 lb. Reflect Ratchet Strap	**0713922232**

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ADJUSTABLE TARP STRAP

The 34 Inch Adjustable Tarp Strap is a black 100% EPDM rubber strap designed for light duty tie down applications. Excellent for securing tarp covers. The straps come packaged as a 5 pack. This strap is unique compared to standard tarp straps in that it has oval holes cut in the strap, allowing for a range of length adjustability. The workable strap length can be adjusted from 4" to 34" just by changing the S-hook location. The EPDM rubber construction allows for outstanding temperature, UV, ozone and weather resistance – they will not lose their elasticity, no matter what the season. High quality EPDM formula has a low odor and won't bloom. Each end of the strap has a rust resistant, zinc plated steel S-hook for easy fastening. Hooks won't lose their shape. The strap can safely be extended to 50% of its original length (51" total extended length). Primarily used for securing tarps, covers, banners and canopies. Other applications include securing small boxes, buckets, tubs, and other cargo to prevent from shifting, securing trash can lids, securing and straightening saplings and small trees, etc.

Packaged as a 5 pack, NOT sold individually

Specs

- Black Strap Color
- EPDM Rubber
- Clear Zinc Coated Steel S-Hooks
- 34 in. Strap Length
- 51 in. Max. Ext. Length
- 5 per package

Description	Art #
34" Adjustable Tarp Strap - 5 per package	**0880240170**

BUNGEE STRAP

The Wurth Adjustable Bungee Cords are constructed of high quality, flexible rubber bungee threads. These are protected by a double layer woven polypropylene cover for better wear resistance and UV protection. These versatile straps are adjustable, with the dark green strap having a range 16-24" and the yellow strap having a range of 28-48". Very convenient and easy to use. Adjust the length and tension with a simple tug. Eliminates the need to carry multiple lengths of bungee. Both these bungee cords can safely be extended to 50% of their original length (dark green 24-36" / yellow 42-72"). Engineered to be at least twice as strong as standard stretch cords. Overmolded steel core hooks won't lose their shape or scratch cargo. Intended for light duty applications including securing small boxes, buckets, tubs, small tool boxes and other cargo to prevent from shifting. Securely bundles small quantities of wood, pipes, tubing, etc.

Features

- Dk Green/Yellow Strap Color
- Rubber Bungee Threads w/ Protective Threaded Nylon
- Black Heavy Duty Molded Plastic w/Steel Core Hooks
- Dk Green (16-24")/ Yellow (28-48") Strap Length
- Dark Green (24-36")/Yellow (42-72") Max. Ext. Length
- 5 per package (3 Dark Green/2 Yellow)

Packaged as a 5 pack (3 dark green & 2 yellow straps). They are NOT sold individually

Description	Art #
Bungee Strap - 5 per package (3x 16-24"/2x 28-48")	**0880240160**

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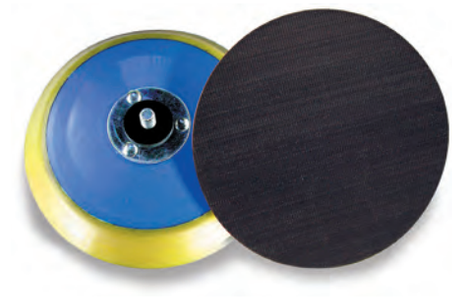
BACKING PADS

Backing Pads	Holes	Art #
6" Velcro Back	6 holes	**0586960001**
6" Velcro Back	No holes	**0586960004**
6" Self Adhesive Back	6 holes	**0586960101**
6" Self Adhesive Back	No holes	**0586960104**



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DBS 3600

Description	Art #
DBS 3600 Kit	**07033601**

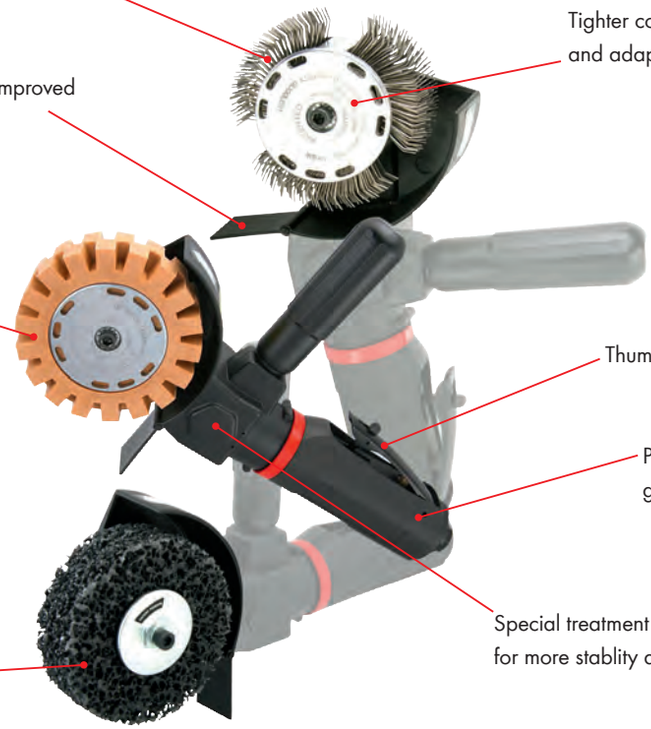
Description	Art #
DBS 3600 Brush Grinder (1)	**07033600**
Adaptor - 11mm (1)	**070336021**
Adaptor - 23mm (1)	**07033602**
Holder for black strip wheel double (1)	**070336022**
Holder for black strip wheel single (1)	**070336023**
11mm Fine Brush (1)	**070335031**
23mm Fine Brush (1)	**17033503**
11mm Coarse Brush (1)	**070335051**
23mm Coarse Brush (1)	**17033501**
Rubber Eraser (1)	**158591**
Rubber Eraser - Water Based Paint (1)	**058596**
Black Strip Wheel (2)	**05851100**

New and Improved!

Special material with heat treatment on entire wire -for longer life.

Tighter contacting between the wire brush and adaptor - no bending wire while in use.

Rubber saftety flap for improved protection during use.



Stronger structure design on the rubber eraser offers better stability and longevity (eraser for water based paint is also now available).

Thumb-activated for better control.

Professional rubber-coated handle grip for comfort and less vibration.

Special treatment on the bevel gear for more stablity and longer lifetime.

Single and double wheel are both available for applications.

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See section 06 (Body Shop) for more details.

NIPPLE INTERCHANGE CHART - COUPLER

1/4" Lincoln Long Nose Series Type "A"

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/4" NPT Steel	C27	790	13-424	90-645	N/A	LN3103	**169960014**
Female 1/4" NPT Steel	C28	N/A	13-434	90-644	815	LN3003	**169971014**

1/4" ARO Series Type "B"

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/4" NPT Steel	C37	N/A	13-324	90-614	N/A	210-3103	**169967014**
Female 1/4" NPT Steel	C38	N/A	13-334	90-612	862	N/A	**169967114**
Economy Female 1/4" NP Brass	C38B	N/A	N/A	N/A	N/A	N/A	**1699941406**

1/4" Automotive Standard Series Type "C" Truflate

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/4" NPT Steel	C1	786	13-125	90-610	N/A	TF3103	**169961014**
Female 1/4" NPT Steel	C2	785	13-134	90-600	N/A	TF3003	**169961114**

3/8" Automotive Standard Series Type "G"

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Female 1/4" NPT Steel	C8	1803	13-610	90-686	N/A	TF4004	**169962114**
Female 3/8" NPT Steel	C6	1805	13-612	90-654	N/A	TF4204	**169962138**

1/2" Automotive Series Type "F"

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/2" NPT Steel	C9	1816	13-704	90-664	651008	5305	**169963012**
Female 1/2" NPT Steel	C10	1815	13-712	90-662	652008	5205	**169963112**

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NIPPLE INTERCHANGE CHART - COUPLER (CONTINUED)

1/4" Industrial Series Type "D" Milton

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/4" NPT Steel	C21	716	13-224	90-672	611004	3103	**169964014**
Female 1/4" NPT Steel	C20	715	13-234	90-670	612004	3003	**169964114**
Economy Female 1/4" NPT Brass	C20B	N/A	N/A	N/A	N/A	N/A	**1699941405**
Female 3/8" NPT Steel	C20-23	718	13-236	N/A	612006	3203	**169964138**
Hose Barb 1/4" Steel	C20-42	N/A	N/A	N/A	N/A	N/A	**169964214**
Hose Barb 3/8" Steel	C20-44	N/A	N/A	N/A	N/A	N/A	**169964238**

3/8" Industrial Series Type "E"

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 3/8" NPT Steel	C25	1836	13-526	90-682	641006	4304	**169965038**

1/4" Diamond-U Series

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/4" NPT Steel	C31	N/A	N/A	N/A	N/A	N/A	**169970014**

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NIPPLE INTERCHANGE CHART - NIPPLE

1/4" Lincoln Long Nose Series Type "A"

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/4" NPT Steel	CP27	791	12-424	90-648	11659	LN10	**1699921409**
Female 1/4" NPT Steel	CP28	792	12-434	90-650	11661	LN11	**1699092014**

1/4" ARO Series Type "B"

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/4" NPT Steel	CP37	777	12-324	90-618	13329	210-10	**169992114**
Female 1/4" NPT Steel	CP38	778	12-334	90-620	13331	210-11	**169993114**

1/4" Automotive Standard Series Type "C" Truflate

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/4" NPT Steel	CP1	783	12-124	90-626	N/A	TF10	**1699013452**
Male 3/8" NPT Steel	CP1-03	N/A	N/A	N/A	N/A	N/A	**1699013038**
Female 1/4" NPT Steel	CP2	784	13-134	90-600	N/A	TF11	**1699013402**

3/8" Automotive Standard Series Type "G"

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/4" NPT Steel	CP7	1809	12-602	90-685	N/A	TF40	**1699023014**
Male 3/8" NPT Steel	CP5	1807	12-604	90-658	N/A	TF42	**1699023038**
Female 3/8" NPT Steel	CP8	1810	12-610	90-687	N/A	TF41	**1699022014**

1/2" Automotive Series Type "F"

Description	AMFLO	Milton	Truflate	NAPA	Lincoln	Foster	Art #
Male 1/2" NPT Steel	CP17	1817	12-704	90-666	630204	54-5	**1699063012**
Female 1/2" NPT Steel	CP18	N/A	N/A	N/A	N/A	N/A	**1699062012**

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NIPPLE INTERCHANGE CHART - NIPPLE

1/4" Industrial Series Type "D" Milton							
Description	**AMFLO**	**Milton**	**Truflate**	**NAPA**	**Lincoln**	**Foster**	**Art #**
Male 1/4" NPT Steel	CP21	727	12-224	90-674	630104	10-3	**16999214**
Female 1/4" NPT Steel	CP20	728	12-234	90-676	630204	11-3	**16999314**
Female 3/8" NPT Steel	CP20-23	732	N/A	N/A	630106	15-3	**16999238**
Hose Barb 1/4" Steel	CP21-42	N/A	N/A	N/A	N/A	N/A	**1699040014**
Hose Barb 3/8" Steel	CP21-44	N/A	N/A	N/A	N/A	N/A	**1699040038**
3/8" Industrial Series Type "E"							
Description	**AMFLO**	**Milton**	**Truflate**	**NAPA**	**Lincoln**	**Foster**	**Art #**
Male 1/4" NPT Steel	CP25-02	1839	N/A	N/A	640104	40-4	**1699053014**
Female 1/4" NPT Steel	CP25	1837	12-526	90-683	640106	42-4	**1699102014**

IDENTIFICATION CHART - 1/4" COUPLERS

INDUSTRIAL

AUTOMOTIVE

ARO

LINCOLN

DIAMOND-U

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IDENTIFICATION CHART - 1/4" PLUG

INDUSTRIAL

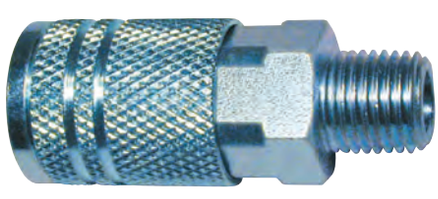
AUTOMOTIVE

ARO

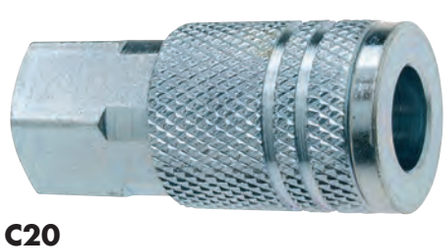
LINCOLN

DIAMOND-U

IDENTIFICATION CHART - MALE, FEMALE & HOSE BARB



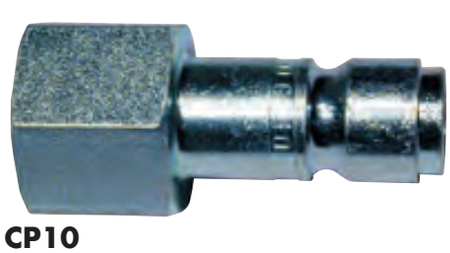
C21



C20

C20-44

CP1



CP10

CP21-44

MALE

FEMALE

HOSE BARB

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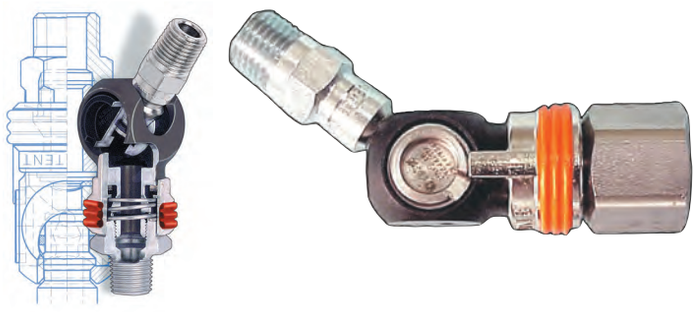
SWING AIR COUPLER



- Safely connect and disconnect under pressure
- In accordance with ISO 6150, safety standard ISO 4414 and MILC 4109
- Full flow
- Easy to operate, easy to clean
- Compact design with few individual parts
- Ergonomic design, quality engineered
- Simultaneous venting reduces the dangerous whiplash effect
- Partly covered coating for protection

Use with:	Art #
Milton Short Nipple	**069996141**
Milton Long Nipple	**0699961141**

CONNECT | **SWING** | **FULL FLOW**

WURTH COUPLERS

- Made from a polyamide composite material, inside and out, that is stronger than brass and steel
- Designed to withstand high impact and repetitive motion
- Materials are guaranteed against defects in workmanship and have a 1 year no leak warranty under normal working conditions

Description	Use with:	Art #
Safety 1/4" NPT Female	1/4" Industrial Type "D" Milton Nipple Profile	**169992001**
Standard 1/4" NPT Female	1/4" Industrial Type "D" Milton Nipple Profile	**169992002**

Safety 1/4" NPT Female

Standard 1/4" NPT Female

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HIGH FLOW QUICK DISCONNECT COUPLER & NIPPLES

- Extremely high flow capacity, 74.1 CFM at 87 PSI
- Easy one hand assembly and disassembly
- One way shut-off
- Especially suitable for HVLP paint guns

Description	Art #
1/4" Coupler	**169994014**
1/4" Male Nipple	**169992014**
1/4" Female Nipple	**169993014**

SAFETY AIR COUPLER - TRUFLATE

Description	Use with:	Art #
1/4" NPT Female	Truflate Nipple Profile	**169992201**

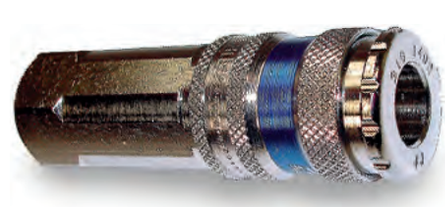
BLUE PUSH BUTTON COUPLER

Description	Use with:	Art #
1/4" NPT Female	Industrial Nipple Profile	**0699714**
1/4" NPT Female	ARO Nipple Profile	**0699715**

UNIVERSAL COUPLER

- Easy, one hand assembly/disassembly
- High flow capacity
- Heavy duty, made in Sweden

Description	Art #
1/4" NPT Female	**169994141**
3/8" NPT Female	**169994381**



Fits these air nipples

ARO 210 Series

Industrial Series

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AIR COUPLERS: COLORCONNEX®

Type D	Type C	Type B	Type J	Type G
1/4" Series	1/4" Series	1/4" Series	3/8" Series	3/8" Series
Industrial	Automotive	ARO	ARO	Automotive

WURTH USA's Color Code System for Standard Interchanges

This unique system allows for easy, color-to-color matching of couplers and plugs among the standard pneumatic interchanges. It also solves the problem of potential crossing and contaminating of different air lines.

Type and Series is easily identified by its color!

- Match coupler and plug types by color
- Dedicate hose applications to ensure a lubricated (wet) line is never used for a dry line application!
- 3/8" Series Couplers & Plugs for High CFM Requirements

As air line interchanges become popular in the automotive industry, some of the different manufacturers developed their own styles in an attempt to capture the market. As a result, various incompatible, yet nearly identical-looking types emerged. To be able to recognize each type, one would have to memorize the brands on all the coupler sleeves and the shapes of all plugs.

Patent Pending ColorConnex®

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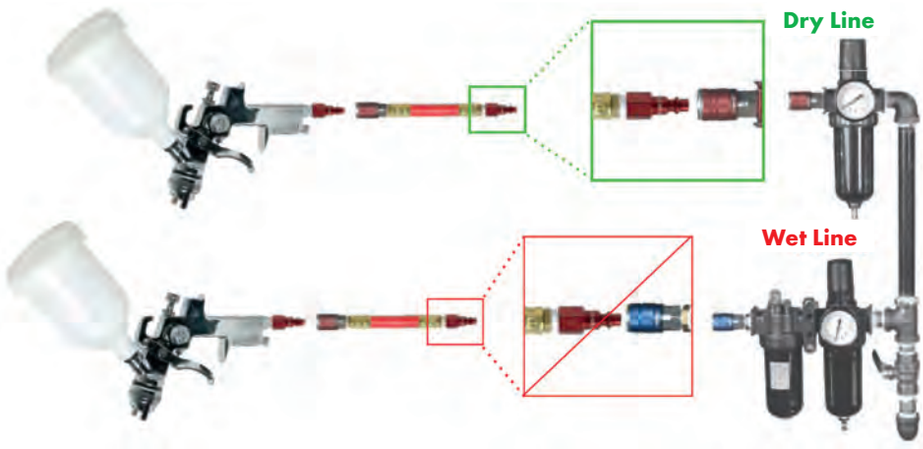
AIR COUPLERS: COLORCONNEX® (CONTINUED)



Dedicate Hose Applications

By using color to dedicate your different air lines, a lubricated line will never be used for a dry line application as long as our couplers and plugs match. As shown in the example image, the red and blue color types are used to distinguish the separate lines, preventing the paint gun from accidently being connected to the wet line, and therefore contaminating the paint with oil as it is being applied.

3/8" COUPLERS & PLUGS - FOR HIGH CFM REQUIREMENTS

Black - Type G - Automotive	
Description	**Art #**
Type G Automotive 3/8" body, 3/8" FNPT sleeve coupler	**16992038**
Type G Automotive 3/8" body, 3/8" MNPT sleeve coupler	**16991938**
Type G Automotive 3/8" body, 3/8" FNPT plug	**169902038**
Type G Automotive 3/8" body, 3/8" MNPT plug	**169902138**

Gold - Type J - ARO	
Description	**Art #**
Type J ARO 3/8" body, 3/8" FNPT sleeve coupler	**1699071438**
Type J ARO 3/8" body, 3/8" MNPT sleeve coupler	**1699171438**
Type J ARO 3/8" body, 3/8" FNPT plug	**1699101438**
Type J ARO 3/8" body, 3/8" MNPT plug	**1699111438**

1/4" SERIES COUPLERS & PLUGS

Green - Type B - ARO	
Description	**Art #**
Type B ARO 1/4" body, 1/4" FNPT sleeve coupler	**1699267114**
Type B ARO 1/4" body, 1/4" MNPT sleeve coupler	**1699167014**
Type B ARO 1/4" body, 1/4" FNPT plug	**1699093114**
Type B ARO 1/4" body, 1/4" MNPT plug	**1699092114**

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1/4" SERIES COUPLERS & PLUGS (CONTINUED)

Blue - Type C - Automotive	
Description	**Art #**
Type C Automotive 1/4" body, 1/4" FNPT sleeve coupler	**1699261114**
Type C Automotive 1/4" body, 1/4" MNPT sleeve coupler	**1699261014**
Type C Automotive 1/4" body, 1/4" FNPT plug	**1699201340**
Type C Automotive 1/4" body, 1/4" MNPT plug	**1699201345**

Red - Type D - Industrial	
Description	**Art #**
Type D Industrial 1/4" body, 1/4" FNPT sleeve coupler	**1699264114**
Type D Industrial 1/4" body, 1/4" MNPT sleeve coupler	**1699164014**
Type D Industrial 1/4" body, 1/4" FNPT plug	**169929314**
Type D Industrial 1/4" body, 1/4" MNPT plug	**169929214**

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AIR COUPLERS: INDUSTRIAL (1/4")

Industrial Series

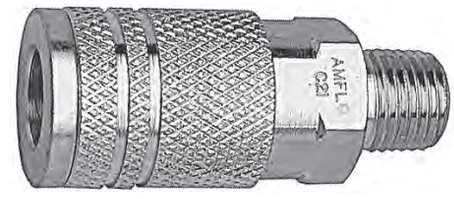
- High Quality Fittings
- Plated Steel Couplers Have Hardened Balls
- Stainless Steel Springs
- Heat Treated To Reduce Wear
- Long Life Durability
- Rated At 300 psi
- Can Be Used With Popular Brands
- Other Sizes & Types Available

Industrial Series		
Description	**Type**	**Art #**
1/4" NPT Female	C20	**169964114**
3/8" NPT Female	C20-23	**169964138**

1/4" Series NPT Female Pipe Thread

Industrial Series		
Description	**Type**	**Art #**
1/4" Hose Barb	C20-42	**169964214**

1/4" Series - Couplers		
Description	**Type**	**Art #**
1/4" NPT Male	C21	**169964014**



1/4" Series NPT Male Pipe Thread

1/4" Series - Couplers		
Description	**Type**	**Art #**
1/4" Hose Barb	CP21-42	**1699040014**

1/4" Series Standard Hose Barb

1/4" Series - Couplers		
Description	**Type**	**Art #**
1/4" NPT Female	CP28	**1699092014**

1/4" Series NPT Female Pipe Thread

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AIR COUPLERS: TRU-FLATE (1/4")

Automotive Series Tru-Flate

- High Quality Fittings
- Plated Steel Couplers Have Hardened Balls
- Stainless Steel Springs
- Heat Treated To Reduce Wear
- Long Life Durability
- Rated At 300 psi
- Can Be Used With Popular Brands
- Other Sizes & Types Available

1/4" Series - Plugs		
Description	**Type**	**Art #**
3/8" NPT Male	CP1-03	**1699013038**

Tru-Flate 1/4" Series NPT Male Pipe Thread

1/4" Series - Couplers		
Description	**Type**	**Art #**
1/4" NPT Male	C1	**169961014**

1/4" Series - Couplers		
Description	**Type**	**Art #**
1/4" NPT Female	C2	**169961114**

1/4" Series NPT Female Pipe Thread

1/4" Series - Couplers		
Description	**Type**	**Art #**
1/4" NPT Male	C27	**169960014**

1/4" Series NPT Male Pipe Thread

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AIR COUPLERS AND PLUGS: TRU-FLATE (3/8")

3/8" Series - Plugs		
Description	**Type**	**Art #**
3/8" NPT Male	CP5	**1699023038**
1/4" NPT Male	CP7	**1699023014**

3/8" Series NPT Male Pipe Thread

3/8" Series - Plugs		
Description	**Type**	**Art #**
1/4" NPT Female	CP8	**1699022014**

3/8" Series NPT Female Pipe Thread

3/8" Series - Couplers		
Description	**Type**	**Art #**
3/8" NPT Female	C6	**169962138**
1/4" NPT Female	C8	**169962114**

3/8" Series NPT Female Pipe Thread

AIR COUPLERS AND PLUGS: INDUSTRIAL (3/8")

3/8" Series - Plugs		
Description	**Type**	**Art #**
1/4" NPT Female	CP26-22	**1699053038**
1/4" NPT Male	CP25-02	**1699053014**

1/4" Series NPT Female Pipe Thread

3/8" Series - Couplers		
Description	**Type**	**Art #**
3/8" NPT Male	C25	**169965038**

3/8" Series NPT Male Pipe Thread

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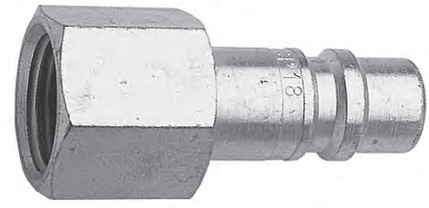
AIR COUPLERS: INDUSTRIAL (1/2")

1/2" Series - Plugs		
Description	**Type**	**Art #**
1/2" NPT Male	CP17	**1699063012**

1/2" Series NPT Male Pipe Thread

1/2" Series - Plugs		
Description	**Type**	**Art #**
1/2" NPT Female	CP18	**1699062012**



1/2" Series NPT Female Pipe Thread

AIR COUPLERS: TRU FLATE (1/2")

1/2" Series - Couplers		
Description	**Type**	**Art #**
1/2" NPT Male	C9	**169963012**

1/2" Series NPT Male Pipe Thread

1/2" Series - Couplers		
Description	**Type**	**Art #**
1/2" NPT Female	C10	**169963112**

1/2" Series NPT Female Pipe Thread

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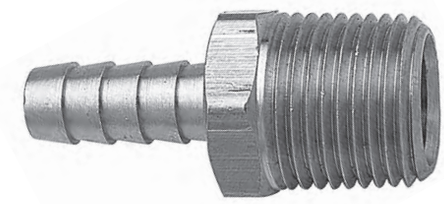
AIR HOSE ACCESSORIES

Male Thread Fittings - BARBED (Solid Brass)

Thread Size	Hose I.D.	Type	Art #
1/4" NPT	1/4"	401	**1699451414**
1/4" NPT	3/8"	406	**1699453814**
3/8" NPT	3/8"	606	**1699453838**
1/2" NPT	3/8"	806	**1699453812**



Male Swivel Fittings - BARBED (Solid Brass)

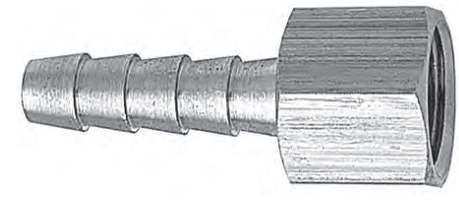
Thread Size	Hose I.D.	Type	Art #
3/8" NPT	3/8"	606S	**1699463838**

Hi-Volume Male Fittings (Solid Brass)

Thread Size	Hose I.D.	Type	Art #
1/4" NPT	3/8"	406S	**1699473814**

Female Thread Fittings - BARBED

Thread Size	Hose I.D.	Type	Art #
1/4" NPT	3/8"	461	**1699443814**



Barbed Splicers

Hose I.D.	Type	Art #
5/16"	502	**1699450516**
3/8"	602	**169945038**

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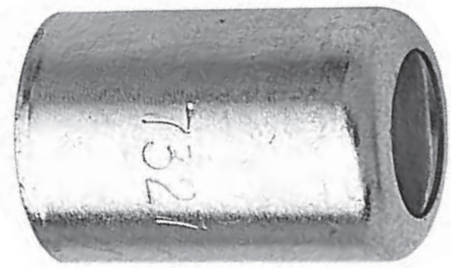
AIR HOSE ACCESSORIES (CONTINUED)

Use these brass ferrules with standard hose barb fittings. To select correct ferrule, match ferrule I.D. and your hose O.D. as closely as possible.



Brass Ferrules		
Ferrule I.D.	**Type**	**Art #**
5/8"	7327	**169903141**
23/32"	7330	**169903381**
1/2"	7323	**169903122**
11/16"	7329	**1699031116**
3/4"	7331	**169903382**

In-Line Accessories	
Description	**Art #**
1/4" Inlet/Outlet	**189116995**

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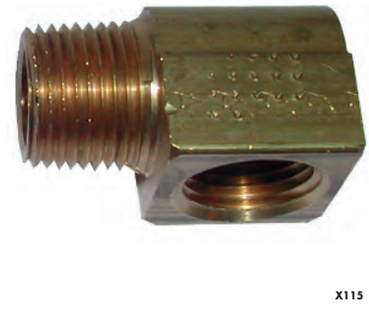
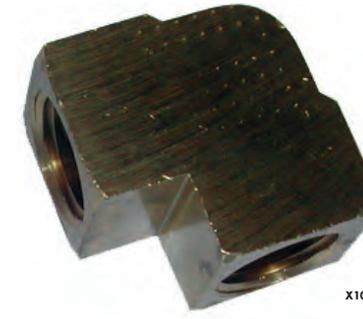
BRASS PIPE FITTINGS

X124

Extruded 45° Street Elbow	
Pipe	**Art #**
1/8"	**1884057001**
1/4"	**1884057002**
3/8"	**1884057003**
1/2"	**1884057004**


X115

Extruded 90° Street Elbow	
Pipe	**Art #**
1/8"	**1884058001**
1/4"	**1884058002**
3/8"	**1884058003**
1/2"	**1884058004**


X100

Extruded 90° Elbow	
Pipe	**Art #**
1/8"	**1884059001**
1/4"	**1884059002**
3/8"	**1884059003**
1/2"	**1884059004**

X101

Extruded Tee	
Pipe	**Art #**
1/8"	**1884060001**
1/4"	**1884060002**
3/8"	**1884060003**
1/2"	**1884060004**

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BRASS DRAIN COCKS

240

Back Seating Type	
Pipe	**Art #**
1/8"	**1884096001**
1/4"	**1884096002**

Ground Key Plug Type Lever Handle	
Pipe	**Art #**
1/4"	**1884074001**

BRASS PIPE FITTINGS

118

119

108

Plug Hex Countersunk	
Pipe	**Art #**
1/4"	**1884089002**
3/8"	**1884089003**
1/2"	**1884089004**

Reducing Coupling	
Pipe	**Art #**
1/4" to 1/8"	**1884083001**
3/8" to 1/8"	**1884083002**
3/8" to 1/4"	**1884083003**

Cap	
Pipe	**Art #**
1/8"	**1884087001**
1/4"	**1884087002**
3/8"	**1884087003**
1/2"	**1884087004**

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BRASS PIPE FITTINGS (CONTINUED)

109

Plug Square Head	
Pipe	**Art #**
1/8"	**1884088001**
1/4"	**1884088002**
3/8"	**1884088003**
1/2"	**1884088004**

106

Plug Square Head	
Pipe	**Art #**
1/4"	**1884086002**
3/8"	**1884086003**

121

Plug Hex Head	
Pipe	**Art #**
cored 1/4"	**1884090002**
cored 3/8"	**1884090003**
cored 1/2"	**1884090004**

112

Close Nipple	
Pipe	**Art #**
1/8"	**1884091001**
1/4"	**1884091002**
3/8"	**1884091003**
1/2"	**1884091004**

103

Coupling	
Pipe	**Art #**
1/8"	**1884082001**
1/4"	**1884082002**
3/8"	**1884082003**
1/2"	**1884082004**
3/4"	**1884082005**

110

Bushing	
Pipe	**Art #**
1/4" to 1/8"	**1884084001**
3/8" to 1/8"	**1884084002**
3/8" to 1/4"	**1884084003**
1/2" to 3/8"	**1884084004**
1/2" to 1/4"	**1884084005**
1/2" to 3/8"	**1884084006**
3/4" to 3/8"	**1884084009**
3/4" to 1/2"	**1884084010**

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BRASS PIPE FITTINGS (CONTINUED)

122

Hex Nipple	
Pipe	**Art #**
1/8"	**1884092001**
1/4"	**1884092002**
3/8"	**1884092004**
1/2"	**1884092007**
Reducing	
1/4" to 1/8"	**1884092008**
3/8" to 1/4"	**1884092009**

113

Long Nipple		
Length	**Pipe**	**Art #**
1-1/2"	1/8"	**1884093001**
2		**1884093002**
2-1/2"		**1884093003**
3"		**1884093004**
1-1/2"	1/4"	**1884093007**
2"		**1884093008**
3"		**1884093010**
1-1/2"	3/8"	**1884093013**
2"		**1884093014**
3"		**1884093016**
2"	1/2"	**1884093020**
2-1/2"		**1884093021**
3"		**1884093022**

120

Adapter	
Pipe	**Art #**
1/8" to 1/8"	**1884085001**
1/4" to 1/4"	**1884085003**
3/8" to 3/8"	**1884085006**
Reducing	
1/4" to 1/8"	**1884085007**
3/8" to 1/4"	**1884085008**
1/2" to 1/4"	**1884085009**
1/2" to 3/8"	**1884085010**

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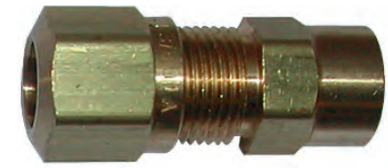
BRASS D.O.T. AIR BRAKE FITTINGS FOR S.A.E J844D NYLON TUBING

1469

1468


1466

90° Elbow-Tube to Male Pipe

Tube	Pipe	Art #
1/4"	1/8"	**1884041001**
1/4"	1/4"	**1884041002**
1/4"	3/8"	**1884041003**
3/8"	1/8"	**1884041004**
3/8"	1/4"	**1884041005**
3/8"	3/8"	**1884041006**
3/8"	1/2"	**1884041007**
1/2"	1/4"	**1884041008**
1/2"	3/8"	**1884041009**
1/2"	1/2"	**1884041010**

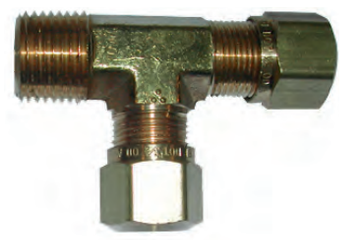
Connector-Tube to Male Pipe

Tube	Pipe	Art #
1/4"	1/8"	**1884010001**
1/4"	1/4"	**1884010002**
1/4"	3/8"	**1884010003**
3/8"	1/8"	**1884010004**
3/8"	1/4"	**1884010005**
3/8"	3/8"	**1884010006**
3/8"	1/2"	**1884010007**
1/2"	1/4"	**1884010008**
1/2"	3/8"	**1884010009**
1/2"	1/2"	**1884010010**

Connector-Tube to Female Pipe

Tube	Pipe	Art #
1/4"	1/8"	**1884081001**
1/4"	1/4"	**1884081002**
3/8"	1/8"	**1884081003**
3/8"	1/4"	**1884081004**
3/8"	3/8"	**1884081005**
1/2"	3/8"	**1884081006**

1474


1471

1464

45° Elbow-Tube to Male Pipe

Tube	Pipe	Art #
1/4"	1/8"	**1884150001**
1/4"	1/4"	**1884150002**
3/8"	1/4"	**1884150003**
3/8"	3/8"	**1884150004**
1/2"	3/8"	**1884150005**
1/2"	1/2"	**1884150006**

Tee-Ends Tube & Male Pipe Center Tube

Tube	Pipe	Art #
3/8"	3/8"	**1884071001**
1/2"	3/8"	**1884071002**

Tee-Ends Tube Center Male Pipe

Tube	Pipe	Art #
1/4"	1/8"	**1884061001**
1/4"	1/4"	**1884061002**
3/8"	3/8"	**1884061004**
1/2"	1/2"	**1884061005**

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BRASS D.O.T. AIR BRAKE FITTINGS FOR S.A.E J844D NYLON TUBING (CONTINUED)

1464

1477

1461

Tee-Tube Three Ends	
Tube	**Art #**
1/4"	**1884321001**
3/8"	**1884321002**
1/2"	**1884321003**

Sleeve	
Tube	**Art #**
1/4"	**1884260001**
3/8"	**1884260002**
1/2"	**1884260003**

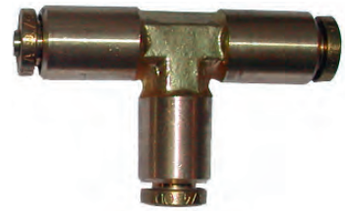
Nut	
Tube	**Art #**
1/4"	**1884362001**
3/8"	**1884362002**
1/2"	**1884362003**

1481

Brass Insert	
Tube	**Art #**
1/4"	**1884280001**
3/8"	**1884280002**
1/2"	**1884280003**

BRASS PUSH-TO-CONNECT D.O.T. AIR BRAKE FITTINGS FOR S.A.E J844D NYLON TUBING

PC1474


PC1464

PC1470

45° Elbow-Tube to Male Pipe		
Tube	**Pipe**	**Art #**
3/8"	1/4"	**188505001**
3/8"	3/8"	**188505002**

Union Tee-Tube Each End	
Tube	**Art #**
1/4"	**188502001**
3/8"	**188502002**
1/2"	**188502003**

90° Elbow Tube to Female Pipe		
Tube	**Pipe**	**Art #**
1/4"	1/8"	**188503001**

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BRASS PUSH-TO-CONNECT D.O.T. AIR BRAKE FITTINGS FOR S.A.E J844D NYLON TUBING (CONTINUED)

PC1469

PC1462

90° Elbow-Tube to Male Pipe		
Tube	**Pipe**	**Art #**
5/32"	1/8"	**1885030001**
1/4"	1/8"	**1885030002**
1/4"	1/4"	**1885030003**
3/8"	1/4"	**1885030006**
3/8"	3/8"	**1885030007**
1/2"	3/8"	**1885030008**
1/2"	1/2"	**1885030009**

Union Coupling	
Tube	**Art #**
5/32"	**188501001**
1/4"	**188501002**
3/8"	**188501003**
1/2"	**188501004**

BRASS PUSH-TO-CONNECT D.O.T. AIR BRAKE FITTINGS FOR S.A.E J844D NYLON TUBING (CONTINUED)

PC1468

Connector-Tube to Male Pipe		
Tube	**Pipe**	**Art #**
5/32"	1/8"	**188504001**
1/4"	1/8"	**188504002**
1/4"	1/4"	**188504003**
1/4"	3/8"	**188504004**
3/8"	1/8"	**188504005**
3/8"	1/4"	**188504006**
3/8"	3/8"	**188504007**
3/8"	1/2"	**188504008**
1/2"	3/8"	**188504010**
1/2"	1/2"	**188504011**

S.A.E. - J844D Nylon Air Brake Tubing				
Outside Dia. I.D.	**Wall Thickness**	**W.P. (PSI)**	**Reel Length (ft.)**	**Art #**
Type 3B Reinforced				
3/8"	.062	350	100	**1884148538**
1/2"	.062	240	100	**1884148512**

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BRASS D.O.T. AIR BRAKE FITTINGS FOR COPPER TUBING

1160

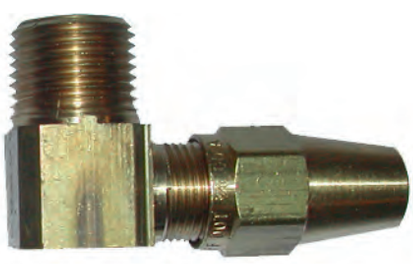
Sleeve	
Tube	**Art #**
3/8"	**1884261004**

1161

Nut	
Tube	**Art #**
3/8"	**1884363002**

1162

Union Coupling	
Tube	**Art #**
1/4"	**1884031001**
1/2"	**1884031003**

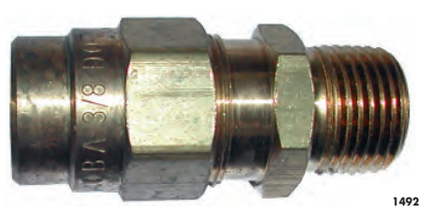


90° Elbow Tube to Male Pipe		
Tube	**Pipe**	**Art #**
3/8"	3/8"	**1884032001**

BRASS D.O.T. AIR BRAKE COUPLINGS

1490

Sleeve	
Hose I.D.	**Art #**
3/8"	**1884024001**



1492

Coupler Assembly (Nut, Sleeve, & Coupler)		
Hose I.D.	**Pipe**	**Art #**
3/8"	3/8"	**1884015002**
1/2"	3/8"	**1884015004**

1493

Coupler Assembly (Nut, Sleeve, & Coupler)		
Hose I.D.	**Pipe**	**Art #**
3/8"	3/8"	**1884023002**

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STEEL ONE PIECE CRIMP HOSE ENDS

- Use with medium to high pressure hydraulic hose

SCK 625

SCK 638

Male Pipe

Hose I.D.	Pipe	Art #
1/2"	3/8"	**1884094013**

J.I.C. 37° Female Flare (swivel)

Hose I.D.	Pipe	Art #
1/2"	1/2"	**1884095016**

BRASS S.A.E. 45° FLARE

42

Union Coupling-Tube to Tube

Pipe	Art #
1/8"	**1884043001**
3/16"	**1884043002**
1/4"	**1884043003**
3/8"	**1884043004**

48

Union Coupling-Tube to Tube

Tube	Pipe	Art #
1/4"	1/4"	**1884044003**
5/16"	1/8"	**1884044006**
5/16"	1/4"	**1884044007**
3/8"	1/8"	**1884044008**
3/8"	1/4"	**1884044009**
3/8"	3/8"	**1884044010**
1/2"	3/8"	**1884044014**
1/2"	1/2"	**1884044015**

49

90° Elbow Tube to Male Pipe

Tube	Pipe	Art #
3/16"	1/8"	**1884045001**

54

45° Elbow Tube to Male Pipe

Tube	Pipe	Art #
1/4"	1/8"	**1884046001**
3/8"	3/8"	**1884046006**

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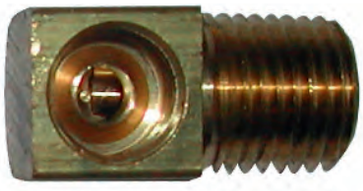
BRASS S.A.E.45 ° INVERTED FLARE



149

90° Tube to Male Pipe

Tube	Pipe	Art #
1/4"	1/8"	**1884019002**
1/4"	1/4"	**1884019003**
5/16"	1/8"	**1884019004**
3/8"	1/8"	**1884019006**
3/8"	1/4"	**1884019007**
3/8"	3/8"	**1884019008**

S141

Steel Nut

Tube	Art #
1/8"	**1884072001**
3/16"	**1884072002**
1/4"	**1884072003**
5/16"	**1884072004**
3/8"	**1884072005**

148

Connector Tube to Male Pipe

Tube	Pipe	Art #
3/16"	1/8"	**1884016001**
1/4"	1/8"	**1884016002**

141

Brass Nut

Tube	Art #
3/16"	**1884018001**
1/4"	**1884018002**
5/16"	**1884018003**
3/8"	**1884018004**

142

Union Coupling-Tube to Tube

Tube	Art #
3/16"	**1884017002**
1/4"	**1884017003**
5/16"	**1884017004**
3/8"	**1884017005**

SL141

Steel Nut-Long Style

Tube	Art #
3/16"	**1884073001**
1/4"	**1884073002**

BRASS J.I.C. 37 ° FLARE

3748

Connector Tube to Male Pipe

Tube	Pipe	Art #
3/8"	1/8"	**1884048004**
3/8"	3/8"	**1884048006**

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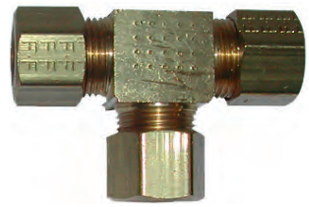
BRASS COMPRESSION FITTINGS

- No tube flaring necessary
- Manufactured for low and medium pressure work.
- Use Wurth Pipe Sealant Art. # 0893511050



64

Tee Tube Three Ends

Tube	Art #
1/4"	**1884051001**
3/8"	**1884051003**
1/2"	**1884051004**

260

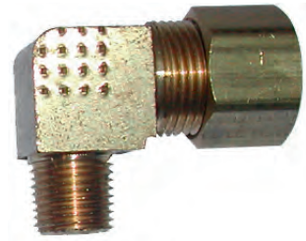
In-Line Sleeve

Tube	Art #
1/8"	**1884052001**
3/16"	**1884052002**
1/4"	**1884052003**

68

Connector Tube to Male Pipe

Tube	Pipe	Art #
3/16"	1/8"	**1884053001**
1/4"	1/8"	**1884053002**
1/4"	1/4"	**1884053003**
3/8"	1/4"	**1884053006**
3/8"	3/8"	**1884053007**



69

90° Elbow Tube to Male Pipe

Tube	Pipe	Art #
1/8"	1/8"	**1884054001**
5/16"	1/8"	**1884054002**
3/8"	1/8"	**1884054003**
3/8"	1/2"	**1884054004**

60

Standard Sleeve

Tube	Art #
1/8"	**1884055001**
3/16"	**1884055002**
1/4"	**1884055003**
5/16"	**1884055004**
3/8"	**1884055005**
1/2"	**1884055006**

62

Union Coupling

Tube	Art #
1/8"	**1884056001**
3/16"	**1884056002**
1/4"	**1884056003**
5/16"	**1884056004**
3/8"	**1884056005**
1/2"	**1884056006**

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BRASS AIR BRAKE HOSE MENDERS

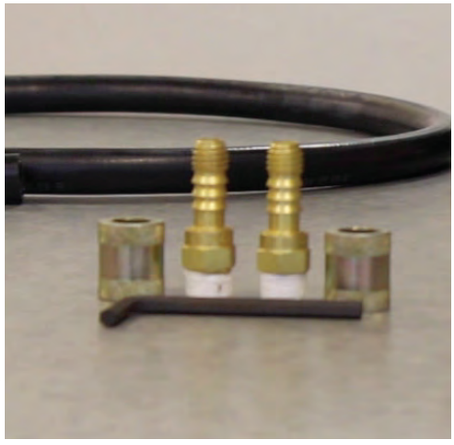
WURTH's quick service DOT air brake hose repair kits allow you to repair and custom build a hose to almost any specification desired. DOT air brake hose (next page) is available in 3/8" and 1/2" 50 ft reels. Cut the hose to any length desired and easily attach the corresponding air hose menders to each end to create a custom **DOT-approved** hose in minutes.

Can be used on any vehicle that uses an air brake system, including the following:

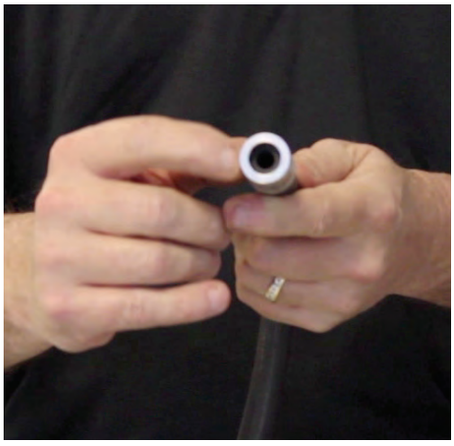
- Box trucks
- Garbage trucks
- School buses
- Buses
- Etc.

Size	Art #
Air Brake Hose Mender Kit - 1/2" hose x 3/8" NPT - 2 pack	**0885900000**
Air Brake Hose Mender Kit - 3/8" hose x 1/2" NPT - 2 pack	**0885900001**
Air Brake Hose Mender Kit - 3/8" hose x 3/8" NPT - 2 pack	**0885900002**

Perform these steps for each side of the hose, and create a custom DOT-approved air brake hose in less time than it takes to read this page!



Step 1:
Remove air hose brake mender fittings kit from bag. Cut air brake hose to desired length.



Step 2:
Thread the shell onto the air brake hose (outside diameter) by hand until it reaches the inside lip.

Step 3:
Screw in the brass hose barb into the air brake hose (inside diameter) using the supplied allen hex wrench or using a drill with corresponding hex bit, until the fitting is flush with the shell.

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BRASS AIR BRAKE HOSE SPLICERS

Würth's DOT Air Brake Hose Splicers come in two sizes to repair an existing hose if damaged between the two ends of the assembly. The kit comes with two barbs (one with a female end, the other with a male end) to allow for an air brake hose with damage in between the ends to be spliced together. Very similar in concept to the Air Brake Hose Menders, just focusing more on repairing an existing hose assembly rather than creating a new one.

Each kit includes:

- 2 Brass Barbs (1 female, 1 male)
- 2 Steel Collars
- 1 Allen Wrench

Eliminates the need to stock thousands of pre-fabricated sizes!

Cut bulk length air brake hose to the size needed and use menders to make a DOT-approved hose!

Size	Art #
Air Brake Hose Splicer Kit - 3/8" Hose	**0885900003**
Air Brake Hose Splicer Kit - 1/2" Hose	**0885900004**

DOT SAE J1402 AIR BRAKE HOSE ROLLS - 50 FT ROLLS

DOT air brake hose is available in 3/8" and 1/2" 50 ft reels. Cut the hose to any length desired and easily attach the corresponding air hose menders to each end to create a custom **DOT-approved** hose in minutes.

Size	Art #
3/8" hose	**1884710038**
1/2" hose	**1884710012**

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- Metal bowl with sightglass
- Compact and modern styling gives outstanding filtration performance
- 50 micron element standard
- 1/3 pint reservoir
- Inlet pressure 150 PSI maximum.

Airline Filters - 1/4" Basic Metal Bowl		
Part Size	**Type**	**Art #**
Manual Drain - 3/8"	4021A	**1699031438**

- Designed for use where performance is required in a minimum space
- Transparent bowl, 5-micron element standard
- Bowl guard not available with this model

Miniature Filter - 1/4" Basic		
Part Size	**Type**	**Art #**
1/4"	F07-200A	**169903414**

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AIRLINE FILTERS & REGULATORS

- Metal bowl with sightglass
- Compact and modern styling gives outstanding filtration performance
- 50 micron element standard
- 1/2 pint reservoir
- Inlet pressure 150 PSI maximum

Airline Filters - 1/3" Basic Metal Bowl		
Part Size	**Type**	**Art #**
Manual Drain - 1/2"	F74G-4M-MB	**1699031612**

Filter Regulator and Gauge		
Part Size	**Type**	**Art #**
Automatic Drain - 1/2"	B74G-4AG-MB	**169903310**

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AIR HOSE

- Lightweight, heavy duty hose with a 100% guarantee against defects in materials and workmanship for a full 2 years
- Never leave any airhose on the floor - damage and outer jacket swelling can occur from certain fluids
- 300 PSI working pressure
- 1,200 PSI burst pressure

Size	Length	Art #
1/4"	50 ft. roll	**18951615**
3/8"	25 ft. roll	**18951415**
3/8"	50 ft. roll	**18951413**

BLUE POLYURETHANE COIL AIR HOSE

- Ideal for pneumatic hand tool whip
- Lightweight, economical, small envelope size
- Swivel and rigid NPT connections
- Outperforms nylon assemblies
- Rated to 145 PSI operating pressure
- Temperature Range: -22°F to +140°F
- Will not mar surfaces

No More Tangled Air Hose!

Length	Art #
19.5 ft.	**16996395**
26 ft.	**169999515**

ULTRAFLEX AIR HOSE

- Excellent low temp. flexibility
- Extremely easy to handle, even in cold weather where other PVC hoses become stiff
- Excellent abrasion resistance
- Resilient material avoids permanent deformation caused by stresses
- Medium Class B oil resistance
- Non-marking pin-pricked cover
- Lightweight
- Silicone-free materials
- RoHS compliant
- Individually shrink-wrapped assemblies

Description	Art #
1/4"x25FT (1/4" MPT)	**0699991425**
1/4"x50FT (1/4" MPT)	**0699991450**
3/8"x25FT (1/4" MPT)	**0699993825**
3/8"x50FT (1/4" MPT)	**0699993850**
1/2"x25FT (3/8" MPT)	**0699991225**
1/2"x50FT (3/8" MPT)	**0699991250**

Revision 05/2015

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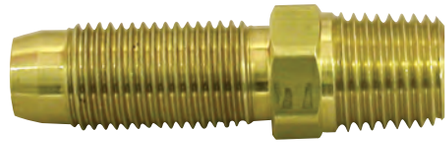
AIR HOSE WHIP

- Designed to reduce stress on fittings and kinking of the air hose
- The 360° male swivel fitting permits the tool to operate at maximum efficiency
- 300 PSI working pressure
- 1,200 PSI burst pressure

Length	Art #
2 ft.	**189514151**

REPAIR FITTINGS FOR AIR HOSE



Reusable Hose Ferrule	
Size	**Art #**
5/8" OD to 3/8" ID	**1699020002**
7/8" OD to 1/2" ID	**1699020003**

Reusable Male Hose Stem	
Size	**Art #**
3/8" ID to 1/4" MPT	**1699021001**
1/2" ID to 1/4" MPT	**1699021002**

Installation instructions

- Thread the hose ferrule over the end of the hose
- Thread the hose stem into the hose ferrule
- No hose clamps or band clamps are required
- Maximum working PSI: 250 PSI at ambient temperature 70°F (21°C)

90 PSI REGULATOR

- Attach directly to air tool
- Regulates a constant 90 psi
- Recommended for Würth DBS 3600 Art.# 07033600 and Sprayable Seam Sealer Gun Art. # 08916284

Description	Art #
90 PSI Regulator	**0891161**

AIR REGULATOR

Designed to vent downstream air for easy adjustment and regulate air pressure output up to 150 PSI to prevent accidental pressure changes. Ideal for monitoring and maintaining air pressure. Works with any 1/4" air tool - great for use with DBS 3600 (Art.# 07033600), Seam Sealer Gun (Art.# 08916284), and Multi Sprayer (Art.# 0891110).

- 1-1/2" diameter dial (0-200 PSI)
- 150 PSI max./0 PSI min. air pressure
- 1/4" FPT inlet, 1/4" FPT outlet
- 120 CFM @90 PSI

Description	Art #
Air Regulator	**0891160**

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SUPER WURTH BLOW GUN

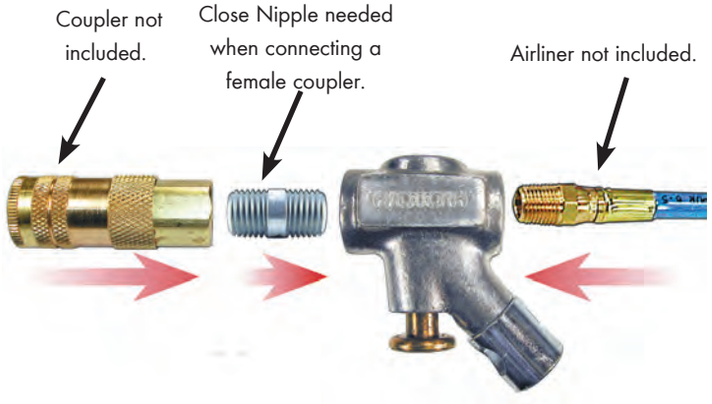
- Developed in cooperation with industrial designers to ensure optimum ergonomics and function
- Ideal for vertical installations
- Noise reduced, meets OSHA
- Maximum working pressure 175 psi
- 1/4" NPY inlet connection

Description	Art #
Super WURTH Blow Gun	**07149234**

IN-LINE BLOW GUN

- Instant air when sanding, grinding or drilling without having to change tools
- Fits permanently between air hose and coupler
- Small, compact and handy
- Natural angle for easy use
- Durable yet weighs only 2 ozs.
- Precision machinery
- OSHA approved
- Use with 3/8" nipple or male coupler

Description	Art #
In-Line Blow Gun	**17149227**



WURTH PISTOL VAC

Operates wet or dry

Includes:

- Crevice Tube
- Vacuum Bag
- Pistol
- Hose
- Brush
- 20" Extension Tube

Description	Art #
WURTH Pistol Vac	**07149250**

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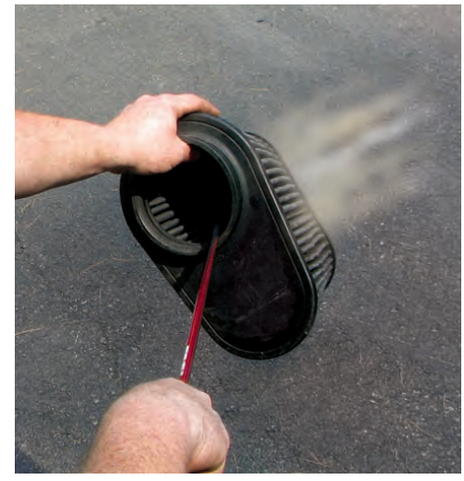
AIR COMBS

Filter and Radiator Cleaner - A new type of blow gun! Special multi-port nozzle maximizes air pressure and volume at a 90° angle. Thoroughly cleans air filters, condensers and radiators from the inside out.

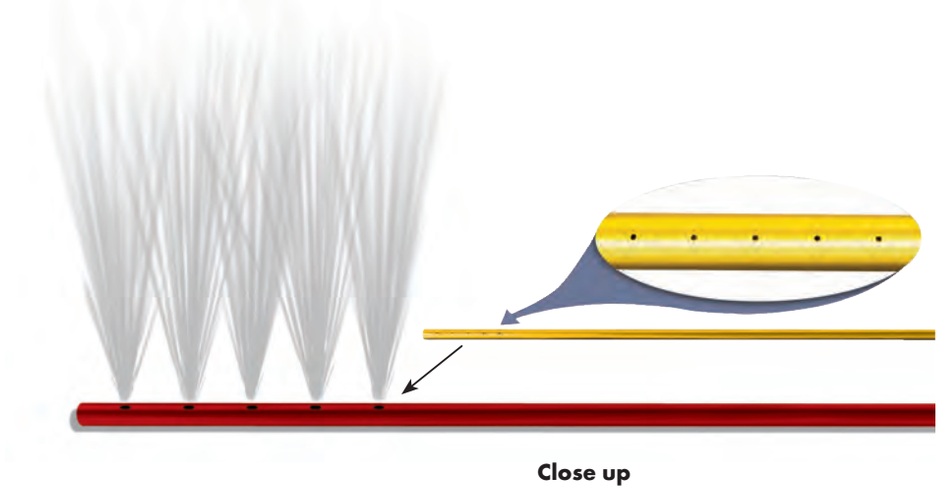


- Focused high-pressure output
- 5x the air volume
- Long reach 90° airflow
- Access hard-to-reach areas
- Great for all air filters, radiators and condensors
- Extends filter life
- Available in two sizes

Industries and Applications

- Agriculture
- Construction
- Automotive
- Industrial
- Stationary Power
- and many more!

Description	Art #
24" Air Comb	**17149024**
36" Air Comb	**17149036**



Close up

24"

36"

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AIR EVAC II

Features:

- Checks for leaks
- Purges air
- Refills system
- GM recommended

Problem:

- Airlocks in the cooling system of today's vehicles have become a prevalent problem
- The problem can be caused by the positioning of the radiator at a level equal to or lower than the engine
- Upon refilling with liquid, air is trapped in the cooling system reducing circulation
- This results in overheating, added installation time and other problems
- While some OEM's have attempted to address this by installing air-bleed devices on the cooling circuit, they are still plagued by airlocks

Solution:

- The Air Evac II system purges those problematic airlocks, checks for leaks and then allows the technician to refill the system quickly and easily
- Simply connect your shop air to the Air Evac II, pull vacuum, check for leaks and then refill in seconds

Description	**Art #**
Air Evac II	**07145518**
Set Includes:	**Qty.**
Polyethylene storage case	1
Radiator neck adapter with vacuum gauge	1
Refill hose with filter	1
Sold Separately:	**Art. #**
Air Evac II Fill Hose Assembly	**07145520**

Description	**Art #**
Air Evac II Gauge	**07145519**

Description	**Art #**
Air Evac II Cone Adapter	**07145521**

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Revision 06/2015

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ANGLED GEAR

Powerful angled screwing gear for screwing and drilling work. Suitable for use with electric drills and battery operated driver drills.

- **High-quality angled gear**
  Specially hardened steel enable maximum torque of up to 57 Nm or maximum speed of 2,000 rpm.
- **Handle with soft grip**
  Secure hold and 360° steplessly adjustable handle - optimum adjustment to the respective work application
- **Compact design**
  Excellently suited for screwing in cramped and hard-to-reach places
- **Magnetic 1/4" bit mount with quick-change chuck**
  Screws held securely by magnetic effect - suitable for all standard bits and bit drills with C6.3 and E6.3 mount
- **Mount: 1/4" E 6.3, hexagon**
- **Dimensions:**
  165 mm L x 32 mm W x 50 mm H

Description	Art #
Angled Gear	**06149000**

Fast, simple 360° adjustment of handle for high flexibility.

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SPLIT POINT DRILL

Drill Size	Dec. Equiv. Inches	Flute Length	Overall Length	Art #
3/16"	.1875	2-5/16"	3-1/2"	**16283316**
13/64"	.2031	2-7/16"	3-5/8"	**162831364**
17/64"	.2656	2-7/8"	4-1/8"	**162831764**
9/32"	.2812	2-15/16"	4-1/4"	**16283932**

National Aerospace Standard 907 Type A, Jobbers Length Drills

- High speed steel, surface treated
- 118° split point
- For use in a wide range of operation conditions
- Bright or Blue

SHEET METAL DRILLS HSS E

- CBN (cubical boron nitride) deep ground
- Universally suitable. Stepless drilling and widening of holes within the diameter range 3-61 mm
- Suitable for drilling of very thin sheet metal
- No countersinking or pre-drilling
- Speed table enclosed
- Burr-free drilling without deforming the sheet metal
- Excellent heat conductivity for improved tool life due to radial and axial relief grinding
- Shank 3 phase ground
- With laser scale, therefore easy indication of required drill hole diameter

Art. # 069402414 - Tapered: 4-14mm

Art. # 069402420 - Tapered: 4-20mm

Size	Drill Dia. (mm)	Total Length (mm)	Shank Dia. (mm)	Art #
1	3 - 14	58	6	**069402414**
2	5 - 20	71	8	**0694022420**

Speed Table for Stepped Drills

	Material	Non-Ferrous Metals	Stainless Steel Sheets, Nirosta, A2	Plastics, Duroplastics, Thermoplastics	Steel Sheets, Soft, i.e. St14-St37
	Sheet Thickness	0.1 - 6mm	0.1 - 2mm	up to 10mm	0.1 - 4mm
Size	Diameter mm	n=rpm	n=rpm	n=rpm	n=rpm
1	3 - 14.0	2000 - 1500	600 - 400	3000 - 2000	800 - 500
2	4 - 20.0	1500 - 800	400 - 200	2000 - 1500	600 - 300

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VARIABLE BIT

- Single cutting edge creates perfectly round holes in metal, wood, plastic and other thin materials
- Constructed of industrial grade high speed molybdenum steel, heat treated and tempered for long life
- 3-sided shank won't slip in drill chuck
- Self-starting tip, no center punch required
- Art. # 0694 14138 cuts 10 different sizes
- Great for drilling car antenna holes

Size	Art #
1/8" - 1/2"	**16941812**
3/16" - 1/2"	**169431612**
3/16" - 7/8"	**169431678**
1/4" - 3/4"	**16941434**
1/4" - 1-3/8"	**169414138**

SPOT WELD DRILL BITS

- Special drill bit for the removal of spot welds
- Improved PLUS centering tip is also suitable for high-strength car body sheets
- Suitable for use in any standard drill

Tips to enhance the lifespan of the centering tip:

- Do not use in drills with an impact chuck or spindles
- Set the drill to a suitable speed; the speed of compressed air devices is generally set too high

Type	Size	Total Length (mm)	Groove Length (mm)	Max. Speed	Art #
HSCO	M6	65	28	1,100 rpm	**0710006**
HSCO	M8	78	38	850 rpm	**0710008**
HSCO	M10	88	44	-	**1710010**
HSCO w/ Step	7.5 mm	88	Stop 10	670 rpm	**07100010**
HSS	M6	65	28	920 rpm	**07106**
HSS	M8	78	38	700 rpm	**07108**
HSS	M10	88	44	-	**071010**

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WELD POINT CUTTER

- Adjustable by actuating adjustment screw
- Cutting crown usable on both sides
- Use in body shops, sheet metal shops, apparatus construction
- No tearing of sheet metal
- No deformation
- Quick and economical

Description	Art #
Weld point cutter	**06981**
Replacement cutter	**069801**

METRIC HSS TWIST DRILL BITS

Size (mm)	Length (mm)	Flute (mm)	Art #
1	34	12	**062510**
1.5	40	18	**062515**
2	49	24	**602520**
2.5	57	30	**062525**
3	61	33	**062530**
3.5	70	39	**062535**
4	75	43	**062540**
5	86	52	**062550**
6	93	57	**062560**
6.5	101	63	**062565**
7	109	69	**062570**
8	117	75	**062580**
8.5	117	75	**062585**
9.5	125	81	**062595**
10	133	87	**0625100**

- Type N with cylindrical shank, right hand cut
- For powerful, stable, standard drilling machines, suitable for normal work on conventional materials. For mild and cast steel (alloyed or non-alloyed) grey cast iron, tempered castings, sintered steels, graphite, argentan and nondular iron.

Description	Art #
19 Piece Drill Bit Set	**06344**

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COBALT DRILLS

Drill Size	Dec. Equiv. Inches	Flute Length	Overall Length	Art #
3/6"	.1875	2-5/16"	3-1/2"	**16220316 (D176)**
3/8"	.3750	3-5/8"	5"	**1622038**

- Cobalt high speed steel and heat resistant
- Gold finish
- 135° type P3 split point
- For use on stainless steel, titanium high temperature and high strength alloys

TWIST DRILLS

Drill Size	Dec. Equiv. Inches	Flute Length	Overall Length	Art #
1/8"	.1250	1-5/8"	2-3/4"	**1624018**
7/64"	.1094	1-1/2"	2-5/8"	**16240764**
9/64"	.1406	1-3/4"	2-7/8"	**16240964**
5/32"	.1562	2"	3-1/8"	**16240532**
11/64"	.1719	2-1/8"	3-1/4"	**162401164**
3/16"	.1875	2-5/16"	3-1/2"	**16240316**
7/32"	.2188	2-1/2"	3-3/4"	**16240732**
1/4"	.2500	2-3/4"	4"	**1624014**
17/64"	.2656	2-7/8"	4-1/8"	**162401764**
9/32"	.2812	2-15/16"	4-1/4"	**16240932**
5/16"	.3125	3-3/16"	4-1/2"	**16240516**
3/8"	.3750	3-5/8"	5"	**1624038**
1/2"	.5000	4-1/2"	6"	**1624012**
17/32"	.5312	4-13/16"	6-5/8"	**162401732**
9/16"	.5625	4-13/16"	6-5/8"	**16240916**
11/16"	.6875	5-5/8"	7-5/8"	**162401116**

- 118°
- High speed steel, blue
- For general purpose production drilling
- For use in a wide range of operation conditions
- Used in various materials such as cast iron, steel and steel forgings

Drill Size	Dec. Equiv. Inches	Flute Length	Overall Length	Art #
#7	.2010	2-7/16"	3-5/8"	**1624007**
#10	.1935	2-7/16"	3-5/8"	**16240010**
#30	.1285	1-5/8"	2-3/4"	**16240030**

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DRILL BITS

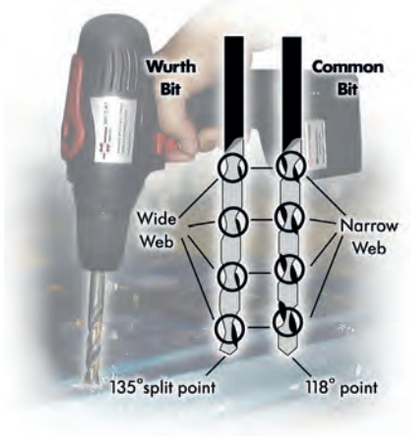
Ultra Bor Super Premium (3 Flats on Shank-3/16" & larger)

Performance Features:

- M7 Industrial Steel withstands high temperatures, maintains sharpness
- 135° Split Point for fast penetration and accurate starting without center punch
- Precision ground point flutes, body, clearance and drill diameter for the ultimate in accuracy and performance
- Black and bronze oxide surface treatments reduce friction
- Especially designed for hand held drills
- 3-flat shank design eliminates slippage and provides a positive grip
- Ideal for drilling in high carbon steel, stainless steel and other hard metal drilling applications

Reduced 3 Flat Shank

Standard 3 Flat Shank



Description	Art #
21 Piece Drill Bit Set	**16271100**

Description	Art #
29 Piece Drill Bit Set	**1627029**
Reduced 3 Flat Shank	**1627729**

Description	Art #
13 Piece Drill Bit Set	**16270131**

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DRILL BITS (CONTINUED)

Diameter Inches	Overall Length	Flute Length	3 Flats Bits Art. #	3/8" Reduced Shank Art. #
1/16"	1-7/8"	7/8"	**16270116** • • • •	
5/64"	2"	1"	**16270564** • • • •	
3/32"	2-1/4"	1-1/4"	**16270332** • • • •	
7/64"	2-3/8"	1-5/16"	**16270764** • • • •	
1/8"	2-1/2"	1-7/16"	**1627018** • • • •	
9/64"	2-5/8"	1-9/16"	**16270964** • • • •	
5/32"	2-3/4"	1-11/16"	**16270532** • • • •	
11/64"	2-7/8"	1-13/16"	**162701164** • • • •	
3/16"	3"	1-1/2"	**16270316** • • • •	
13/64"	3-1/8"	1-5/8"	**162701364** • • • •	
7/32"	3-1/4"	1-3/4"	**16270732** • • • •	
15/64"	3-3/8"	1-7/8"	**162701564** • • • •	
1/4"	3-1/2"	2"	**1627014** • • • •	
17/64"	3-5/8"	2-1/8"	**162701764** • • •	
9/32"	3-3/4"	1-1/4"	**16270932** • • •	
19/64"	3-7/8"	1-3/8"	**162701964** • • •	
5/16"	4"	2-1/2"	**16270516** • • •	
21/64"	4-1/16"	2-9/16"	**162702164** • • •	
11/32"	4-1/8"	2-5/8"	**162701132** • • •	
23/64"	4-3/16"	2-11/16"	**162702364** • • •	
3/8"	4-1/4"	2-11/16"	**1627038** • • •	
25/64"	4-5/16"	2-3/4"	**162702564** •	
13/32"	4-3/8"	2-13/16"	**162701332** •	
27/64"	4-7/16"	2-7/8"	**162702764** •	
7/16"	4-1/2"	2-15/16"	**16270716** •	
29/64"	4-5/8"	3"	**162702964** •	
15/32"	4-3/4"	3-1/8"	**162701532** •	
31/64"	4-7/8"	3-1/4"	**162703164** •	**162773164** •
1/2"	5"	3-3/8"	**1627012** •	**1627712** •

Color Code	Included in Drill Bit Index	Pcs.
•	**16271100**	**21**
•	**1627029**	**29**
•	**1627729**	**29**
•	**16270131**	**13**

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HOLESAW ARBORS & PILOT DRILLS

A **1/4" Round Shank**
For small holesaws in light weight material and wood.

B **1/4" Shank with 3 Flats**
Available for use with 9/16" to 1-3/16" to 2" holesaws. Medium to heavyweight materials.

C **7/16" Hex Shanks**
For small holesaws in medium to heavy-weight materials.

D **Quick Change 7/16" Hex**
Pin drive construction permits fast inter-changing of holesaws.

	Recommended for Holesaw Sizes	Pilot Size	Drill Size	Art #
A	9/16" to 1-3/16"	1/2" - 20	1/4"	**1632001**
B	9/16" to 1-3/16"	1/2" - 20	1/4"	**1632002**
C	9/16" to 1-3/16"	1/2" - 20	1/4"	**1632004**
D	1-1/4" and larger	5/8" - 18	1/4"	**1632006**

1/4" HIGH SPEED PILOT DRILLS

Use with Above Arbor Size	Recommended for use on	Art #
A,C,D,E	1-1/4" and larger	**16320102**

Use with Above Arbor Size	Recommended for use on	Art #
B	For general cutting of metal and wood	**16320104**

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HOLESAW ASSORTMENT

- Quick and clean cut thanks to the HSS bi-metal construction
- For use in all steel materials, including cast metal, copper, bronze, aluminum, plastics and wood
- Number of teeth: 6/inch
- Cutting depth: 32 mm

Description	Art #
Holesaw Package 16 Pc.s	**0964632**

Includes:

Description	Qty.	Special Order Only Art #
Holder A2	1	**063202**
Holder A4	1	**063204**
Hexagon extension, 300 mm	1	**063205**
Ejector spring	1	**063207**
D19, D22, D25, D32, D35, D38, D44, D51, D57, D64, D67, D76	1	**0632...**

HOLESAW TYPES

These holesaws provide an economical means of extending the useful range of portable drills, drill presses and lathes. Made of high speed steel welded to an extremely tough alloy steel back, these holesaws can be used to cut mild steels, cast iron, aluminum, brass and bronze, plastics, iron or steel pipe and wood. Holesaws range is size from 9/16" all the way up to 6" and have a cutting depth of up to 1-1/4". Six teeth per inch allows these holesaws to give you a clean, accurately cut hole.

Red

Used on metal high production tools. Designed for cutting machinable materials, steel, aluminum, copper, brass, sheet metal, stainless steel, wood or plastics.

White*

Used for general construction, plumbing, electrical, maintenance work.

Hole Size	Hole Saw Adapt. #	Pipe Tap	Pipe Entrance	Copper Pipe Size I.D.	Art #
5/8"	-	-	-	1/4"	**163258**
3/4"	-	-	3/8"	1/2"	**163234**
7/8"	1632002	3/4"	1/2"	5/8"	**163278**
1"	-	-	-	3/4"	**16321**
1-1/8"	-	-	3/4"	3/4"	**1632118**
1-1/4"	-	-	-	1"	**1632114**
1-3/8"	-	-	-	-	**1632138**
1-1/2"	-	-	-	1-1/4"	**1632112**
1-3/4"	1632008	-	1-1/4"	1-1/2"	**1632134**
2"	-	-	1-1/2"	-	**16322**
2-1/4"	-	2"	-	2"	**1632214**
2-1/2"	-	-	2"	2"	**1632212**
3"	-	-	2-1/2"	2-1/2"	**16323**
4	-	-	-	-	**16324**

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STUB LENGTH DRILLS

- 180° below 1/16" & above 1/2"
- 135° below 1/16" - 1/2"
- High speed steel, blue
- For general purpose production drilling
- For use in a wide range of operation conditions
- Used in various materials such as cast iron, steel and steel forgings

A230				
Drill Size	**Dec. Equiv. Inches**	**Flute Length**	**Overall Length**	**Art #**
1/8"	.1250	7/8"	1-7/8"	**1635018**
1/4"	.2500	1-3/8"	2-1/2"	**1635014**

A120				
Drill Size	**Dec. Equiv. Inches**	**Flute Length**	**Overall Length**	**Art #**
5/16"	.3125	1-5/8"	2-13/16"	**16350516**
3/8"	.3750	1-13/16"	3-1/8"	**1635038**

TWIST DRILLS - WIRE GAUGE SIZES

118˚ Above Gauge 42				
Drill Size	**Dec. Equiv. Inches**	**Flute Length**	**Overall Length**	**Art #**
#11	.1910	1-3/16"	2-1/4"	**1635111**

135˚ Gauge 42 and Below				
Drill Size	**Dec. Equiv. Inches**	**Flute Length**	**Overall Length**	**Art #**
#29	.1360	15/16"	1-15/16"	**1635129**
#30	.1285	15/16"	1-15/16"	**1635130**

TWIST DRILLS - LEFT HANDED DRILL BITS

Size	Length	Art #
1/8"	2-3/4"	**0625715**
3/16"	3-1/2"	**0625316**
1/4"	4"	**0625714**
5/16"	4-1/2"	**06255116**
3/8"	5"	**0625318**

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TWIST DRILLS - HIGH SPIRAL CAR STYLE REAMER

- 1/2" Diameter shanks
- Heavy duty steel
- Designed for truing, aligning and deburring holes in structural steel members, automotive maintenance and fabrication
- Useful in cramped quarters with any 1/2" 3 jaw power tool
- Used for various type of metals including mild and surface hardened steel, 4140 steel, cast iron and steel
- Built in collar prevents over penetration
- The left hand fast spiral right hand cut is developed for high speed

Drill Size	Dec. Equiv. Inches	Flute Length	Overall Length	Recomm. Pilot Hole	Qty.	Package Art. #
1/2"	.5000	3-5/8"	5-15/16"	5/16"	1	**1698012**
5/8"	.6250	4-1/4"	6-9/16"	5/16"	1	**1698058**
3/4"	.7500	4-9/16"	7"	1/2"	1	**1698034**

HSS DRILL BITS DOUBLE-ENDED

- WURTH HSS Double-Ended Drill Bits are a special purpose drill bit that facilitates penetration of the drill into the material
- No center punching is required and the drill does not drift from the drilling location
- Ideal for machining of thin materials and for drilling rivet holes

Size				
mm	**inches**	**Length**	**Shank**	**Art. #**
3.0		56 mm	10.6 mm	**063630**
3.1		60 mm	11.2 mm	**063631**
3.2	1/8"	60 mm	11.2 mm	**063632**
5.0	13/64"	79 mm	17.0 mm	**063650**
6.2	1/4"	91 mm	21.2 mm	**063662**

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BIT HOLDERS - HEX SHANK HOLDER

Magnetic	
Description	**Art #**
1/4" Hex Shank Holder x 2-31/32" for 1/4" Bits	**1614324902**
1/4" Hex Shank Holder x 2-31/32" for 5/16" Bits	**1614324981**

BIT ADAPTERS - MALE

Non-Magnetic	
Description	**Art #**
Adapter 1/4" Male Hex Drive to 3/8" Male Square Drive 1-5/8" OAL	**1614363008**

BIT HOLDERS - NUTSETS

Magnetic		
Description	**Length**	**Art #**
Nutsets 1/4" Dia. Short	1-3/4"	**06149175**
Nutsets 1/4" Dia. Long	6"	**06149176**
Nutsets 5/16" Dia. Short	1-3/4"	**1614359010**
Nutsets 5/16" Dia. Long	6"	**06149178**
Nutsets 3/8" Dia. Short	1-3/4"	**06149179**

BIT ADAPTERS - FEMALE

Non-Magnetic	
Description	**Art #**
Adapter 1/2" Female Square Drive for 1/4" Hex Inserts 1-3/4" OAL	**1614328581**
Adapter 1/2" Female Square Drive for 5/16" Hex Inserts 1-3/4" OAL	**1614328551**

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BIT HOLDERS - QUICK CHANGE BIT HOLDER

Non-Magnetic	
Description	**Art #**
1/4" Quick Change Bit Holder	**0614176711**

BIT ADAPTERS - 1/4" HEX SHANK BIT HOLDER FOR 5/16" INSERTS

Magnetic		
Overall Length	**Ref. #**	**Art #**
3-1/16"	M498	**1614324981**

SCREW DRIVER BITS - PHILLIPS

Hex	Tip	Length	Art #
1/4"	#1	1"	**0614176274**
	#2		**0614176461**
	#3		**0614176648**
	#2	1-5/16"	**1614324922**
	#3		**1614334931**
	#1	2"	**0614176735**
	#2		**0614176736**
	#3		**0614176737**
	#2	2-3/4"	**1614334922**
	#2	6"	**1614314921**
5/16"	#2	1-1/4"	**1614214002**
	#3		**1614214003**

SCREW DRIVER BITS - POZDRIV

Hex	Tip	Length	Art #
1/4"	#2	1"	**0614176652**
	#3		**0614176653**

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SCREW DRIVER BITS - POZDRIV

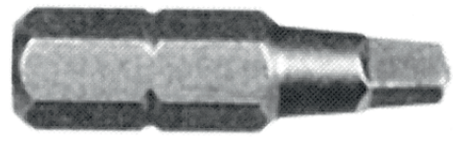
Hex	Tip	Length	Art #
1/4"	1/32"x7/32"	1"	**0614175653**

SCREW DRIVER BITS - TORX

Hex	Tip	Length	Art #
1/4"	T-10	1"	**06143110**
	T-15		**06143115**
	T-20		**06143120**
	T-25		**06143125**
	T-27		**06143127**
	T-30		**06143130**
	T-40		**06143140**
5/16"	T-30	1-1/4"	**1614514030**
	T-40		**1614514040**
	T-45		**1614514045**
	T-55		**1614514055**

SCREW DRIVER BITS - SQUARE DRIVE RECESS

Hex	Tip	Length	Art #
1/4"	#2	1"	**161420002**



SCREW DRIVER BITS - HEX BIT

Shank	Hex Size	Length	Art #
1/4"	3	1"	**061417693**
	4		**061417694**
	5		**061417695**
	6		**061417696**

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SCREW DRIVER BITS - 5/16" HEX SHANK INSERT TORX DRIVE

Driver Size	Overall Length	"A" Ref #	Art #
T-30	1-1/4"	.216	**1614514030**
T-40		.260	**1614514040**
T-45		.107	**1614514045**
T-50		.128	**1614514050**
T-55		.151	**1614514055**

SCREW DRIVER BITS - 1/4" HEX SHANK "EXTRA LONG" PHILLIPS DRIVE

Point Size	Overall Length	Art #
2	2-3/4"	**1614334922**

SCREW DRIVER BITS - 1/4" HEX SHANK "JUMBO LENGTH" PHILLIPS DRIVE

Point Size	Overall Length	Art #
2	6"	**1614314921**

SCREW DRIVER BITS - 5/16" HEX SHANK INSERT PHILLIPS DRIVE

Point Size	Overall Length	Art #
2	1-1/4"	**1614214002**
3		**1614214003**

SCREW DRIVER BITS - 1/4" HEX SHANK "LONG" PHILLIPS DRIVE

Point Size	Overall Length	Art #
2	1-5/16"	**1614324922**
3		**1614334931**

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ZEBRA SAW FRAME

- With two-component plastic handle. Secure grip, fatigue-free working
- Two saw blade positions. (45° and 90°) One features flush cutting
- Tensioning crank. Integrated in handle
- Handle slopes toward the rear. Starting edge remains unrestricted
- Saw blade tensioning to 176 lb. with slack-adjustment system
- Length: 15-3/8"
- Complete with one HHS 24 teeth bi-metal saw blade

Description	Length in mm	Art #
Zebra Saw Frame	390	**071464015**

ZEBRA HSS HACKSAW BLADES

No saw blade offers higher cutting capacity and flexibility.

- Special steels; high alloy high speed steel at the toothed edge, tough tool steel for the back
- Most up-to-date manufacturing techniques guarantee unexcelled quality and precision. For example, Electron beams are used to weld joints.
- The toothed edges are made of fully hardened steel so their cutting capacities and service lives are unsurpassable
- You work with one saw blade more quickly, longer and thus more economically

Application

- Tool steel (high and low-alloyed)
- Structural steel (high and low-alloyed)
- High-speed steel
- Stainless steel

Normal toothing

- Very economical
- Increased safety
- High cutting performance
- Longer service life

***Progressive toothing**

Clear advantages due to different tooth pitches.

- For universal use
- High tooth pitch in area of start of cut enables easy start of sawing. "Fluttering" of thin materials is considerably reduced.
- Low tooth pitch in remaining cutting area enables high cutting performance

Material Thickness in mm	# of teeth on 1"	Length in mm	Width in mm	Thick. in mm	Art #
Over 2	24	300	12.5	0.63	**060330013**
Up to 2	32				**0603300133**
	18-32		13.0	0.65	**060330113***

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WURTH SAWZALL BLADES

- Reduces the risk of breakage and achieves 2-10 times the service life compared with plain HSS blades
- High resistance to heat due to high speed steel containing 8% cobalt at the cutting edge
- Highly flexible, unbreakable combination of HSS and HCS metals
- Blade width is 3/4"
- Cooling improves saw life of blade - we recommend using Cutting Oil Art. # 089305004

Type	Length	Teeth/ inch	Art #
waved, milled	4"	24	**0615910010**
teeth set, milled		18	**0615910014**
waved, milled	6"	24	**0615915010**
teeth set, milled		18	**0615915014**
teeth set, milled		14	**0615915018**
teeth set, milled		8-14	**0615915026**
teeth set, milled	12"	10-14	**0615930526**
teeth set, milled	9"	6	**0615722842**
teeth set, milled	8"	14	**0615920318**
teeth set, milled	8"	10-14	**0615920326**

ULTRAFLEX - BLUE TIP

Standard Steel / Low Tungsten Alloy

Hand hacksawing is an efficient method of separating metal on small and medium jobs that cannot be cut on a machine. Be sure to select the proper blade that will give you the best results.

The finest quality "standard" steel blade available which will perform as well as many HSS blades because of the considerable tungsten content. Ideal for softer materials. Excellent for schools, etc. where cost efficiency is necessary.

Length	Teeth per Inch	Art #
12"	24	**1603305224**

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PNEUMATIC RECIPROCATING SAW BLADES

Description	# Teeth	Art #
Pneumatic Reciprocating Saw Blades - 5 pack	24	**0615942275**
Pneumatic Reciprocating Saw Blades - 5 pack	32	**0615942265**

WURTH USA now offers a line of bi-metal unique® saw blades for the pneumatic reciprocating saws widely used in auto body shops, metal fabricating and other applications.

Only WURTH Pneumatic Saw Blades are manufactured with bi-metal unique® saw technology for faster cutting longer blade life.

Our line includes two blades for metal and steel sheets.

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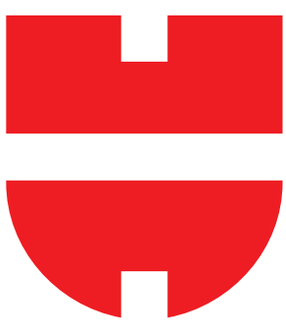

WÜRTH

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SET OF WARDING FILES

- With wooden handles
- In plastic case
- 6 piece set, DIN 7283

Type	Length in mm	Cut	Qty.	Art #
flat	100	2	1	**07146174**
flat pointed				
half round				
round				
triangular				
square				

CALIPER FILE

Length mm	Total length mm	width x thickness mm	Qty.	Art #
150	260	10 x 5	1	**07146179**

- For removal of brake dust, rust and dirt from the caliper housing
- Helical gear on one side
- Plastic handle
- 150mm blade length, 10mm wide, 5mm thick & 260mm total length

CHEESEGRATER ROUND FILE

- Shape plastic fillers, wood & metal, fast and easy
- Smooth cutting
- Non-clogging
- Extra sharp

Description	Art #
Cheesegrater Round File	**158596**

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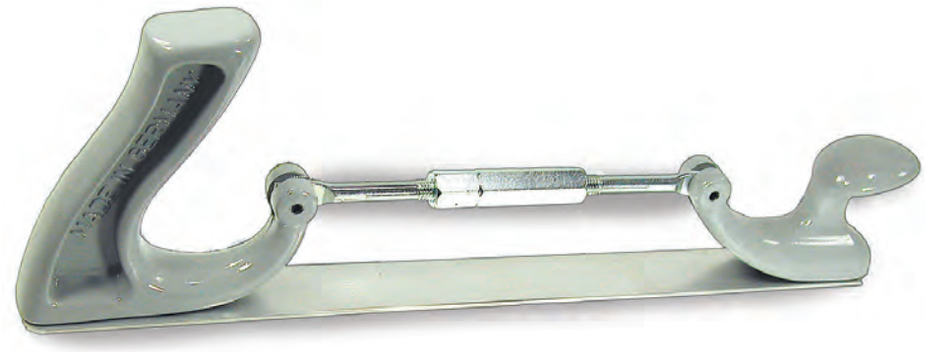
FILE BOARD SANDER

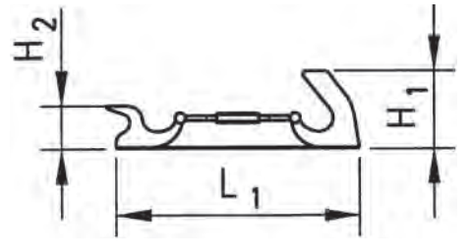
- For dry abrasive paper
- For quicker flat sanding of polyester filler, flat surfaces and joints
- Plastic handle

Description	Art #
File board sander	**0586445**

BODY FILE HANDLE



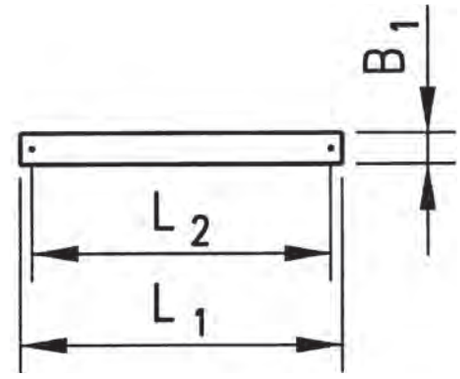
- Concave and convex adjustable
- Handle made of aluminum



For Blade Width mm	Length L1 mm	Height H1 mm	Height H2 mm	Qty.	Art #
35	350	110	60	1	**07146173**

BODY FILE BLADES

- Radially milled on both sides
- Suitable for Art. # 07146173



Type	Teeth per inch	Length L1 mm	Hole distance L2 mm	Width B1 mm	Qty.	Art #
Radial medium	12	350	325	35	1	**07146172**

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MICROBRUSH™

- Comprised of small non-linting, non-absorbent fibers
- Solutions applied are held in suspension between fibers creating a non-dripping sphere which contains the material until it is applied
- Exact placement of solutions as small as 1/8 of a drop can be accurately applied
- Bends easily into any angle for the placement of material in areas of limited access
- Disposable - savings up to 60% are possible by the reduction of excess required by ordinary bristle brushes

Description	Art #
Microbrush™	**1693300**

BRAKE CALIPER BRUSH

- For easy removal of caked on brake dust
- Thin profile allows for easier cleaning in confined areas
- 1-1/2" wide, 8-3/4" long and 3/8" thick

Description	Art #
Brake Caliper Brush	**07155526**

SMALL WIRE BRUSHES

- Overall length is 7-1/4"
- Poly handle
- Multi purpose brush

Description	Art #
Stainless Steel	**17146993**
Brass	**17146994**

SPARK PLUG BRUSH

- With wooden handle and wavy brass wire bristles
- Use to clean electrodes and contacts of spark plugs

Description	Art #
Spark Plug Brush	**07155158**

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ACID BRUSHES

- Heavy duty stainless steel handle
- Excellent for spreading Seam Sealers
- Horse hair bristles

Description	Art #
3/8" wide x 6" long	**06933020**
1/2" wide x 6" long	**06933021**

SPOT SANDING PEN

Clean rust, wax or dirt from any tight corner, crevice or hard to reach spot. It's like a pencil point sandblaster!

Features:

- Paint repairs are better looking and permanent
- Gets in where other tools can't reach
- The glass fibers are finer than human hair yet stronger than steel when it comes to cleaning power
- The cartridge can be extended out (by turning) as needed, then easily retracted when not in use
- Amply sized body makes it easy to hold for a comfortable grip
- Comes with one refill in handle

Applications:

- Remove rust from dings
- De-rust chrome and precision tools
- Clean electrical contacts and cable ends
- Clean recessed patterns
- De-gloss parts before gluing

Description	Art #
Spot Sanding Pen	**158501**

1" DISPOSABLE BRUSH

- Perfect for applying Rust Guard and Bedliner & Industrial Coating, as well as many other uses

Description	Art #
1" Disposable Brush	**189091804**

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36 PIECE BORE BRUSH SET

The 36 Piece Bore Brush Set has steel, brass, and nylon bristle brushes to clean a wide variety of surfaces and locations.

Features

- 36 Brushes: 12 Steel, 12 Brass, and 12 Nylon
- 8 MM - 19 MM Diameter with 1/4" Hex Shank
- 1/4" Locking Bit Head Driver Included
- Twisted Wires for Increased Cleaning Function

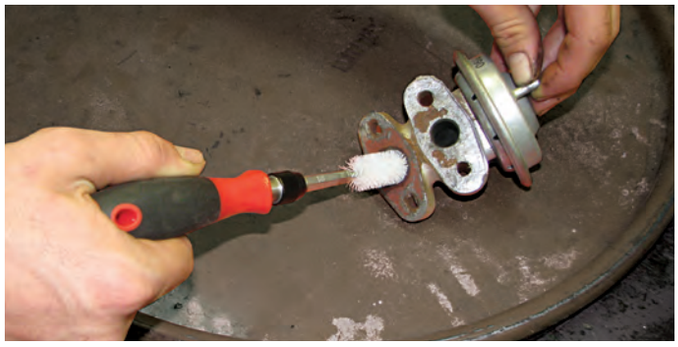
Uses

- Designed for the professional technician who needs the right tool for the job.
- For use in Automotive, AG/ Industrial and MRO Industries
- Cleans Bushings, Ports, Tubes, Holes, Channels, Sockets, Brake Guides, and many more

Description	Art #
36 Piece Bore Brush Set	**1715010**

Material Composition

Stainless Steel Shaft/ Nylon, Brass, Stainless Steel



1/4" DRIVER HANDLE

Features a quick lock adapter to ensure brush stays secure with usage. Use with any of our bore brushes (Standard, XL, and 9") and bore brush extensions!

Description	Art #
1/4" Driver Handle	**1715000**

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REPLACEMENT 3" BORE BRUSHES

3" Stainless Steel Tube Brushes	
Description	**Art. #**
8 mm	**1715108**
9 mm	**1715109**
10 mm	**1715110**
11 mm	**1715111**
12 mm	**1715112**
13 mm	**1715113**
14 mm	**1715114**
15 mm	**1715115**
16 mm	**1715116**
17 mm	**1715117**
18 mm	**1715118**
19 mm	**1715119**

3" Brass Tube Brushes	
Description	**Art. #**
8 mm	**1715208**
9 mm	**1715209**
10 mm	**1715210**
11 mm	**1715211**
12 mm	**1715212**
13 mm	**1715213**
14 mm	**1715214**
15 mm	**1715215**
16 mm	**1715216**
17 mm	**1715217**
18 mm	**1715218**
19 mm	**1715219**

3" Nylon Tube Brushes	
Description	**Art. #**
8 mm	**1715308**
9 mm	**1715309**
10 mm	**1715310**
11 mm	**1715311**
12 mm	**1715312**
13 mm	**1715313**
14 mm	**1715314**
15 mm	**1715315**
16 mm	**1715316**
17 mm	**1715317**
18 mm	**1715318**
19 mm	**1715319**

9" BORE BRUSHES (3 PIECES)

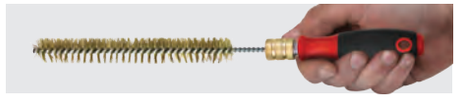
Durable, abrasive, 3-piece Bore Brushes set features 9" length for cleaning tubes, ports, bearings and other general wire brush applications. Stainless steel twisted wire gives it extra strength to increase cleaning action. Each brush is fitted with a 1/4" hex shaft for use with a standard 1/4" driver. Do not exceed 600 rpm. These brushes are meant for push and pull use.

Features

- Durable abrasive bore brushes
- 3-pc set (10, 15, and 19 mm sizes)
- 1/4" hex shank
- Use on ports, tubes, bearings and other common wire brush applications
- Do not exceed 600 rpm

Brushes available only as 3-piece set, not sold individually.

Description	Art #
9" Brass Bore Brushes (3 pc)	**1715501**
9" Stainless Steel Bore Brushes (3 pc)	**1715502**
9" Nylon Bore Brushes (3 pc)	**1715503**



Note: 1/4 Locking Bit Head Driver sold separately (see opposite page).

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XL BORE BRUSHES (4 PIECES)

Brass Set

Stainless Steel Set

Description	Art #
XL Bore Brushes - Brass (4-pc)	**1715602**
XL Bore Brushes - Stainless Steel (4-pc)	**1715601**

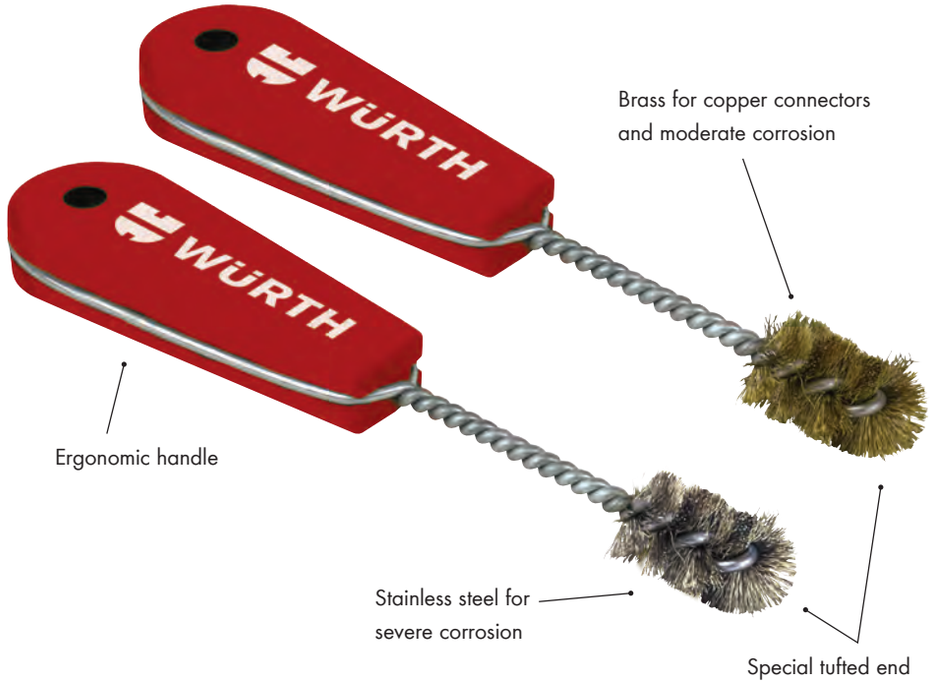
Clean brake calipers, throttle bodies, fittings, and more!

Features

- 4-piece set (25, 30, 35, and 40 mm sizes)
- 1/4" hex drive, 3-1/2" overall length
- Unique large sizes for use on cars, trucks, motorcycles, engines, transmissions, etc.
- Available in stainless steel or brass

Brushes available only as 4-piece set, not sold individually.

LIGHT SOCKET BRUSH SET (2-PC)


Brass for copper connectors and moderate corrosion
Ergonomic handle
Stainless steel for severe corrosion
Special tufted end

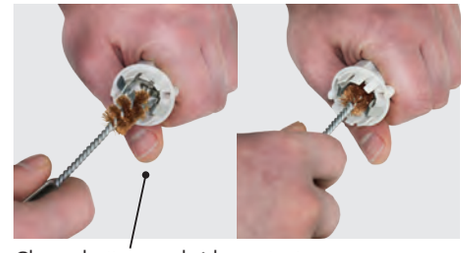
Description	Art #
Light Socket Brush Set (2 pc)	**1715301**

Remove corrosion and restore connectivity!

Unlike traditional bore brushes, the 2-piece Light Socket Brush Set is designed to clean the entire surface area with one pass. The brushes feature a special tufted end which scrapes both the side and bottom walls, removing corrosion and debris from all contact areas.

Features

- Brass and stainless steel
- Cleans side and bottom of socket with one pass
- Ergonomic handle
- For use in 1157 bulb sockets
- 5/8"-3/4" bores



Cleans bottom and side contacts

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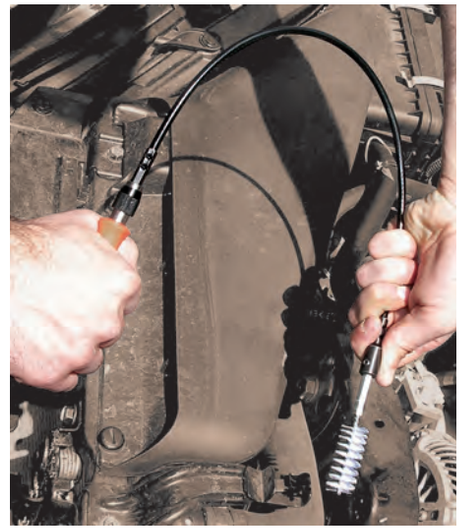
BORE BRUSH FLEXIBLE EXTENSIONS

Flexible Extension Kit 6", 12" and 18" with Locking Set Screw

- Flexible extensions make it easy to reach hard-to-get-to places
- 6", 12" and 18" flexible extensions on 1/4" drive hex shank
- Hex key included
- 1/4" female coupler uses a set screw to prevent a brush or similar type tool from slipping
- Perfect for accessing hard to reach transmission valve bodies, oil galley and EGR (Exhaust Gas Recirculation) Ports



Description	Art. #
Bore Brush Flexible Extensions	1715001

Note: 1/4 Locking Bit Head Driver sold separately.

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UNIVERSAL KNIVES WITH "BREAK-OFF" BLADE SYSTEM

1

2

3

- Metal rail and sliding safety lock
- Spring operated retractor

	Blade Dimensions	Material	Length	Weight	Art #	Replacement Blade
1	85 x 9 mm	Alu/Rubber/ABS	165 mm	55 g	**071566061**	**071566077**
2	100 x 18 mm	Alu/Rubber/ABS	200 mm	160 g	**071566211**	**071566057**
3	-	Stainless Steel	-	-	**171566061**	**-**

UNIVERSAL KNIFE WITH AUTO-LOAD BLADE CHANGING SYSTEM

- Internal chamber for 10 spare blades
- 10 blades included inside internal chamber
- Change the blade by retracting the slider and moving it forward

Use Replacement Blade #071566021

Material	Length	Weight	Art #
Alu/Rubber/ABS	176 mm	260 g	**071566016**

BREAK-OFF BLADES

- 10 piece Dispenser Box
- Material: SK2 Steel
- Easy Break-off function

Size	Length	Art #	Knife compatibility
18 mm	100 mm	**071566057**	071566211
9 mm	85 mm	**071566077**	071566061

BI-METAL BLADE

- Extremely safe to use - unbreakable under normal working conditions
- Highly economical and efficient - triple the service life of standard blades
- Limber and flexible - if necessary, the blade can be bent and worked with accordingly (special applications like this are made possible with this type of blade)

Use with knife #071566016, and with most retractable knives

Description	Art #
Cartridge Tip Cutter	**071566021**

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RAZOR BLADES

- Strong steel back, single edge
- Individually wrapped for rust and edge protection
- Both styles 100 per box

Description	Art #
Grade 9 Standard Duty .009"	**16033010**
Grade 12 Heavy Duty .012"	**16033009**

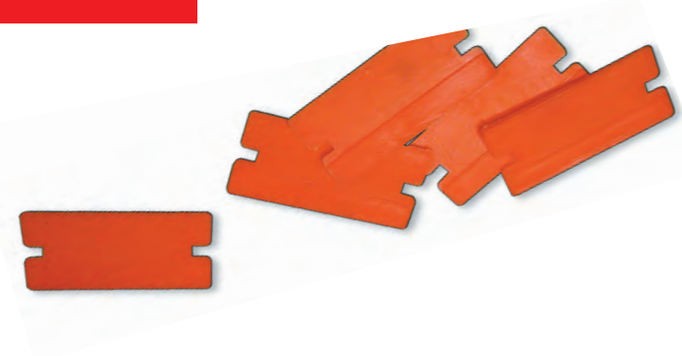
CARTRIDGE TIP CUTTER

- Cuts the perfect angle on all plastic cartridge tips
- Cuts straight edge on our threaded sprayable seam sealer cartridges

Description	Art #
Cartridge Tip Cutter	**07156609**

PLASTIC RAZOR BLADES

- Easy to remove stickers from windshield without risk of cutting or scratching windshield
- Made of polypropylene
- Ideal for scraping many surfaces in automotive, industrial or home applications



Description	Art #
Plastic Razor Blades	**16033011**

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Revision 07/2015

SHEET METAL SHEARS

Extremely versatile, powerful and compact.

- Double lever transmission - lower application of force with simultaneously increased cutting performance
- Ideal design - small and light, therefore enormously maneuverable and suitable for a broad range of uses
- Can be effortlessly stored in any pocket
- Extremely compact cutting head - outstandingly suited for cutting extremely tight radii and for hard-to-reach places
- Bar-and-stop combination - more safety thanks to locking device and stop in one
- Simple, fast closing and holding closed of the shears
- Ergonomically shaped handle - due to insert made of soft material in the upper handle shell, the handle lies extremely well in the hand and is especially easy to grip guaranteeing fatigue-free working
- Optimized cutting geometry - no slipping off even without toothing

For continuous, straight and figure cutting on right.

Size comparison with conventional Zebra® sheet metal shears.

Description	Length	Cutting capacity up to (mm)		Art #
		Steel Sheet	Stainless Steel	
Right-handed Cutting	180 mm	1.2 mm	0.8 mm	**071303200**
Left-handed Cutting	180 mm	1.2 mm	0.8 mm	**071303205**

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WURTH COMBINATION SHEARS

- For right & left hand cutting
- Stainless steel blades
- Lightweight

Description	Art #
WURTH Combination Shears	**07140314**

HOG RING PLIERS

- Straight nose grip
- Holds rings in place for fast work

Description	Art #
Hog Ring Pliers	**150150001**

RAZOR SNIPS

- Replaceable razor sharp steel blade
- Large jaw opening
- Wide flat anvil provides solid cutting surface
- Includes inch & centimeter scale
- Non-marring surface protection
- Convenient handle storage includes 5 replacement blades
- Steel frame with rubber grips

Description	Art #
Razor Snips	**171431610**
Replacement blades (6 pcs.)	**171431612**

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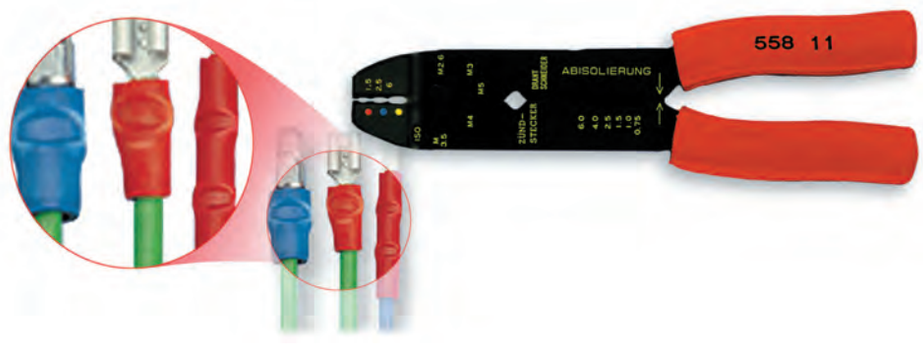
INSULATED & NON-INSULATED CRIMPING PLIERS

- Cutting of screws M2.6-M5 diameter.
- Cutting of wires and stripping of insulation 20-8 gauge
- Crimping of insulated and non-insulated cable connectors

Description	Art #
Insulated & Non-Insulated Crimping Pliers	**055810**

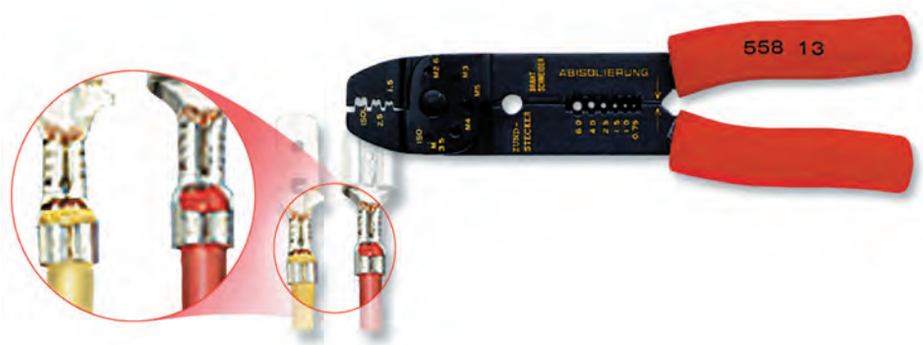
INSULATED CRIMPING PLIERS



- Cutting of screws M2.6-M5 diameter
- Cutting of wires and stripping of insulation 20-8 gauge
- Crimping of insulated cable connectors

Description	Art #
Insulated Crimping Pliers	**055811**

NON-INSULATED CRIMPING PLIERS



- Cutting of screws M2.6-M5 diameter
- Cutting of wires and stripping of insulation 20-8 gauge
- Crimping of non-insulated cable connectors

Description	Art #
Non- Insulated Crimping Pliers	**055813**

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INSULATED & NON-INSULATED CRIMP TOOL

- Crimping tool for crimping of insulated cable connectors
- Positive locking action guarantees quality crimping result
- Prevents faulty crimping results
- Power boost owing to transmission lever
- Low force requirement, comfortable handling
- Three crimping stations: 22-18, 16-14, 12-10

Description	Art #
Non- Insulated Crimp Tool	**05581109**

WIRE STRIPPER

- Easy one hand operation
- Ergonomically designed
- Hardened steel blade
- Strips and removes excess wire in one squeeze
- Strips up to 10 gauge (6 mm) wire
- Ideal for working in confined areas
- Made in Germany
- Full WURTH one year warranty

Description	Art #
Wire Stripper	**0691500**

COMPACT CRIMPING TOOL HAMMER TYPE

- Crimping tool driven by hammer impact with locking lever for easy loading
- Crimps terminals 8 to 4/0 gauge

Description	Art #
Compact Crimping Tool Hammer Type	**171599840**

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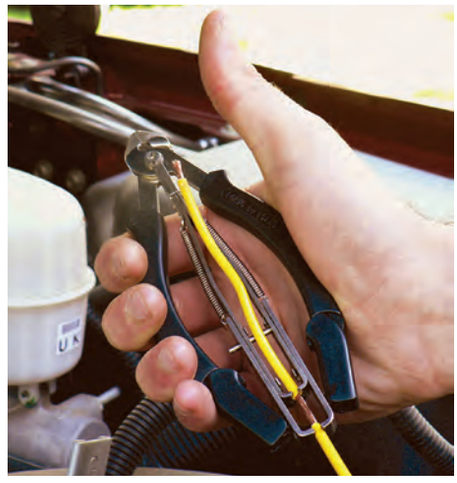
2-IN-1 CUTTER STRIPPERS

Large 2=in-1 Cutter/Stripper

Self-adjusting strips 10 - 14 AWG! The Large 2-in-1 Cutter/Stripper allows you to do both functions with one tool.

Features

- Self-adjusts to 10, 12, and 14 AWG house and appliance wire
- Use on any copper and aluminum wire
- Catches, holds and strips wire in one quick motion
- Head allows full-flush cutting and has a low profile
- Surgical Steel jaws



Description	Art #
Large 2-in-1 Cutter/Stripper	**0691700**

Small 2=in-1 Cutter/Stripper

Self-adjusting strips 14 - 26 AWG! The Small 2-in-1 Cutter/Stripper allows you to do both functions with one tool.

Features

- Self-adjusts to 14 - 26 AWG soft copper (electronic) wire online
- Catches, holds and strips wire in one quick motion
- Head allows full-flush cutting and has a low profile
- Surgical Steel jaws

Description	Art #
Small 2-in-1 Cutter/Stripper	**0691600**

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VEHICLE TEST LAMP

- Brass construction
- 6 to 24 volts
- Wire length 30"
- Chrome vanadium tip with protective screw-on cap

Description	Art #
Vehicle Test Lamp	**069500224**

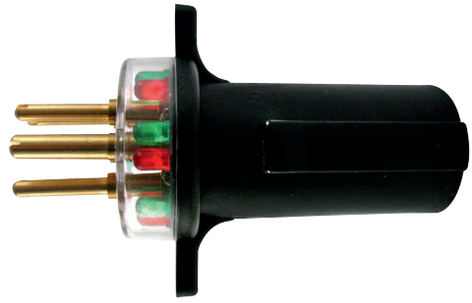
7-WAY ROUND PIN TRACTOR TRAILER CIRCUIT TESTER

Quickly troubleshoot tractor trailer electrical circuits.

The 7-Way Round Pin Tractor Trailer Circuit Tester does 'one man testing' for male and female 7-way round pin tractor trailer plugs and much more.

- Troubleshoots tractor trailer circuits
- One person can now test all the lighting
- Allows bypassing of troubled circuitry while on the road
- Eliminates guesswork
- Packaged with an extra jumper connector
- Winged grip for easy removal from electrical connector

Description	Art #
7-Way Round Pin Tractor Trailer Circuit Tester	**06950057**



7-WAY FLAT/SPADE PIN TRAILER CIRCUIT TESTER

A tremendous time saver!

The 7-Way Flat/Spade Pin Trailer Circuit Tester quickly and easily tests trailer circuits on most light to medium duty trucks and campers.

- Just plug the plug tester into the trailer plug socket and activate the lights, brakes, turn signal, etc.
- Watch the LED light as it indicates that each circuit is complete and the current is getting to the plug
- "Winged" grip for easy removal from electrical connector

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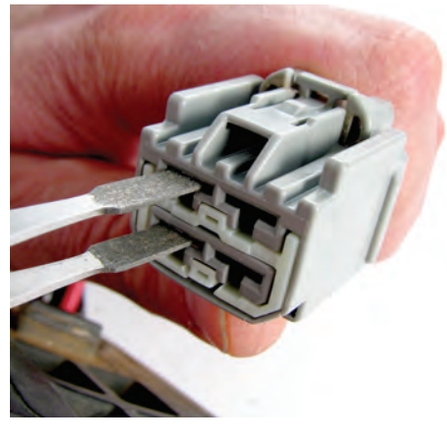
DIAMOND GRIP TERMINAL CLEANERS



The 3-piece Diamond Grip Terminal Cleaners set features highly-durable and abrasive coatings for cleaning small spade pin electrical connectors. They reduce diagnostic guesswork and increase overall harness life!

- For flat and spade style terminals
- Three piece set for most common automotive, commercial and AG connectors
- Works on both male and female connectors
- Highly-durable abrasive coating
- Precisely removes corrosion
- Extends harness life and eliminates guess work
- Access hard-to-reach male and female connectors
- For flat pin/spade style terminals
- Leather styled pouch with magnetic clasp, small, medium and large cleaners

Description	Art #
Diamond Grip Terminal Cleaners	**06956000**

TRAILER CONNECTOR CLEANER MASTER SET

The unique design of the Trailer Connector Cleaner Master Set allows for precise removal of corrosion from both male and female pins, while maintaining proper pin dimensions. It is also great for cleaning butt and bullet type connectors found on most tail and side marker assemblies.

- For use on 4, 5, 6, 7 (spade) and 7 (round) truck and trailer male and female terminals
- Includes: 4 & 5 round pin, 6 round pins (2), 7 round pin (2) and 7 flat (spade) pin (2); 8 mm swabs (6) and 5mm swabs (12)
- Packaged in leather-style holster with magnetic clasps
- Additional applications: bullet, butt and standard; AWG terminal connectors; automotive, marine and industrial uses

Description	Art #
Trailer Connector Cleaner Master Set	**06956002**

A professional solution for trailer maintenance!

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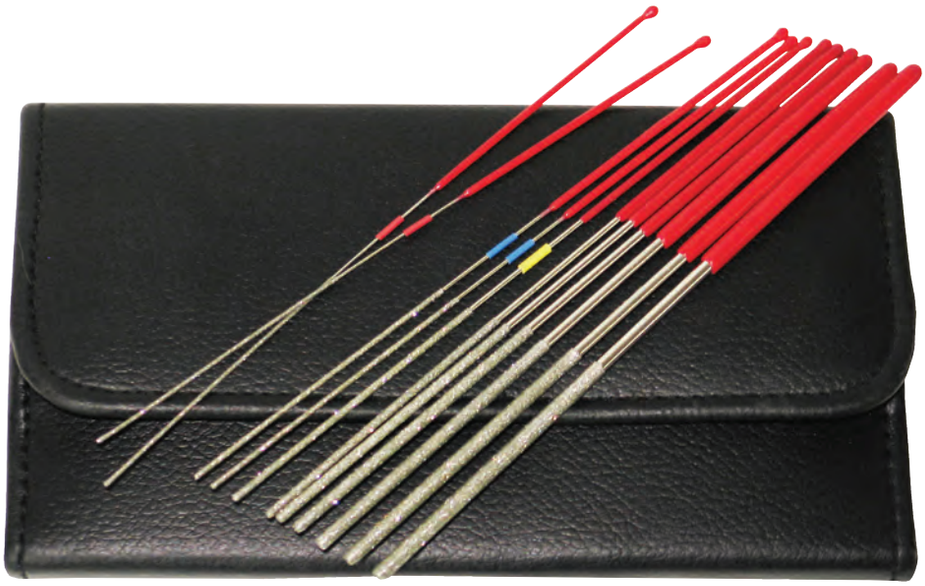
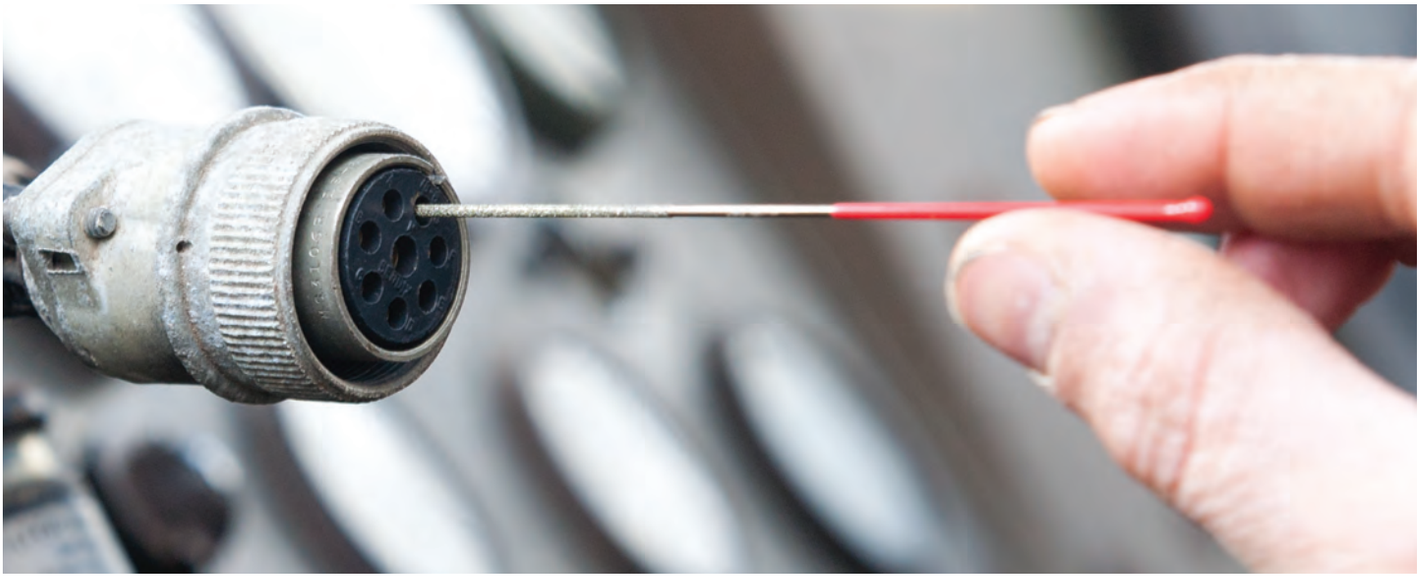
FEMALE BULLET CONNECTOR CLEANER SET



WURTH introduces the first complete set of tools for cleaning round pin type electrical terminals commonly used in Cannon, Deutsch, bullet type and general electrical connections. Each tool features a diamond abrasive coating for precise cleaning, sizing and durability. Commonly used in automotive, truck, industrial and military applications, the Female Bullet Connector Cleaner Set can also be used for general file type applications where small orifice cleaning is required. This set includes 12 individual pieces ranging in sizes from .030" - .120", with duplicate cleaners in the 0.030" and 0.040" range. Each file is marked or color coded for size.

Description	Art #
Female Bullet Connector Cleaner Set	**06956001**

- Cleans round pin type electrical connectors
- Remove corrosion and reduces diagnostic guesswork
- Features durable diamond abrasive coating
- Common applications: automotive, military, plow and industrial connectors
- Set includes following sizes: .030"0.040" (2), .040"-.050" (2), .050"-.060", .060"-.070", .070"-.080", .080"-.090", .090"-.100", .100"-.110", .110"-.120" and .120"-.130"
- Specific applications include Cannon, Deutsch, and Bullet connectors
- Includes leather-type holder with identifiers for replacements



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14" TIGHT ACCESS TWEEZERS

The 14" Tight Access Tweezers are the ultimate tool for accessing hard to reach areas. Surpassing the reach of the industry's longest available needle nose pliers with greater precision and control, it provides a sure grip on a variety of surfaces including wires, hoses, gaskets, o-rings, fuses, hardware and more.

Features

- 14" length
- Precise interlocking jaws for a strong grip
- Durable surgical stainless steel construction
- Slim profile design for tight access areas
- Extended length for greater versatility
- Surgical grade stainless steel

Description	Art #
14" Tight Access Tweezers	**1714600**

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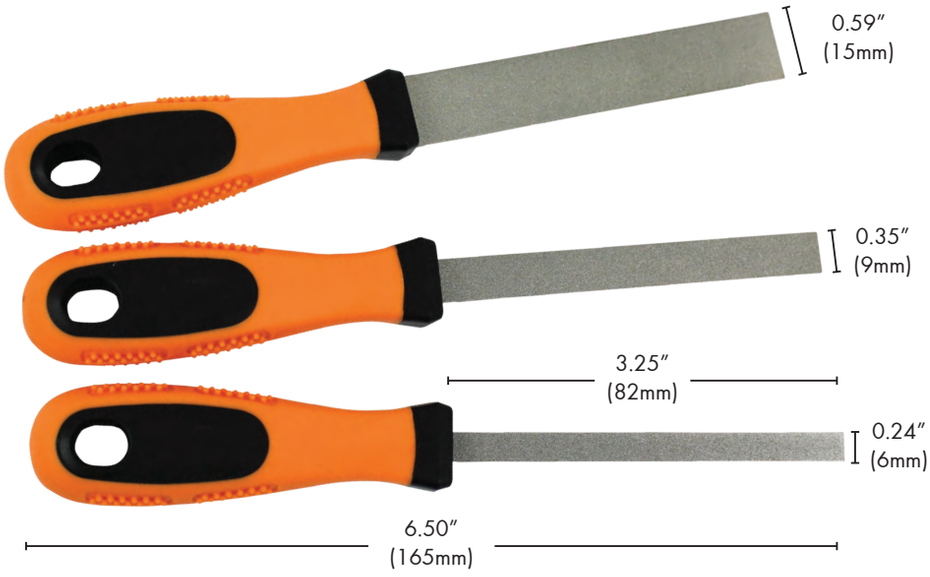
DIAMOND CONTACT CLEANING FILES - 3 PC.

This three piece kit features highly durable, super hard, and abrasive diamond coating for cleaning and enhancing electrical connections to reduce diagnostic guesswork and increase electrical contact life. The set includes ultra-thin, flexible cleaners with ergonomic, non-slip, highly visible handles. Optimized for cleaning large spade terminals including relays and forklift contacts, these flexible, diamond flat files are also great for use in general filing applications.



Description	Art #
Diamond Contact Cleaning Files - 3 piece	**1715700**

Super abrasive, diamond coated, flexible flat cleaners for large spade electrical contacts as well as general filing applications.

Features

- Three piece kit covers a wide range of contact sizes
- Enhances connections and extends contact life
- Non-slip, highly visible, ergonomic handles for comfortable use
- Ultra-thin, flexible files for added functionality

Applications

- Large spade relays
- Forklift contacts
- Industrial electrical contacts
- General tight-access filing

Files only sold as set. Not sold separately.

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SHARP SHOOTER

Sharp Shooter sprayers are an inexpensive way to apply bulk chemicals like cleaners, degreasers, penetrating oils, solvents and lubricants. They use readily available compressed air, instead of flammable or dangerous propellants, and because they are reusable you don't have to worry about disposal of empty cans.

- 32 oz. capacity
- Adjustable nozzle
- **Ideal for use with Wurth Brake Cleaner, Low VOC and Zero VOC Brake Cleaner, Rost Off & more**
- Fully automatic
- Rugged all metal welded construction
- Air pressurized, uses a standard air chuck
- Refillable & reusable
- Adjustable nozzle allows adjustment from pin stream to an extra fine mist
- Do not use water or water-based materials in steel sprayers
- Not recommended for paint

#	Description	Art #
1	Sharp Shooter	**08911102**
2	Rebuild Kit	**089111021**
3	Adjustable Nozzle Assembly	**089111023**
4	Air Filler Assembly with Cap	**089111024**
5	Flexible 12" Wand	**089111025**
6	Refill Pot, 1 quart	**089111022**

Contents of Rebuild Kit (Art. #089111021)	
Item	**Qty**
Perfluroelastomer Air Valve Core	1
Valve Spring	1
Cotter Pin	1
Valve	1
Gasket	1
O-Ring	1
Instructions	1

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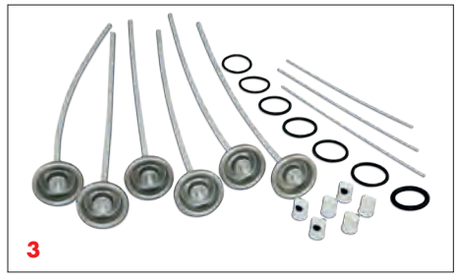
QUICK SHOOTER

- 16 oz. capacity
- Hand held, no trailing hose or cord
- Works from 80 PSI to 150 PSI, maximum pressure 200 PSI
- NOT recommended for Throttle Body Cleaner

1

#	Description	Art #
1	Quick Shooter	**08911200**
2	Rebuild Kit	**08911202**
3	Valve Nozzle Kit	**08911201**
4	6 Nozzles w/ Straws	**08911204**

2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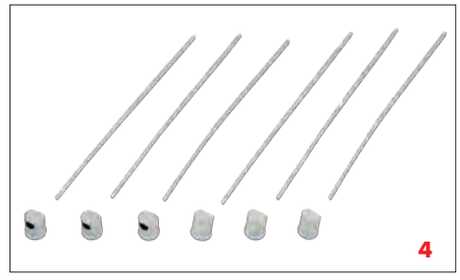
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Contents of Rebuild Kit (Art. #08911202)	
Item	**Qty**
Valves	6
O-Rings	6
Nozzles	6
Nozzle Straws	3
Air Filler Assembly with Cap	1
Aluminum Valve Head	1
Instructions	1

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WÜRTH

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ROST OFF PUMP BOTTLE

- 1 liter

	Description	Art #
1	Rost Off Twp for 5 gal. Container	089130201
2	Pump Nozzle	0891503
3	Replacement Nozzle	08915990
4	Replacement O-Rings	0891599

3

4

1

2

ALL PURPOSE GERMAN SPRAY PUMP

- Ideal for most chemicals
- 1 Liter capacity
- Area for labeling your product
- Unique pump design
- Not intended for Low VOC Brake Cleaner

Description	Art #
All Purpose German Spray Pump	0891501

BRAKE CLEANER PUMP BOTTLE

- 1 liter
- Not intended for Low VOC Brake Cleaner

	Description	Art #
1	Pump Bottle	089150108
2	Replacement Nozzle	08915990
3	Replacement O-Rings	0891599

1

2

3

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CHEMICAL RESISTANT SPRAY BOTTLE

The bottle is made of a thicker resin which offers greater durability and longevity. This sprayer now offers compatibility with an even wider range of chemicals. The bottle graphics include a check off grid for identifying contents and a handy graduation scale for diluting liquids.

- Output: 3.0 cc per stroke
- Constructed with chemically resistant materials
- Fully adjustable spray pattern
- 32 oz. capacity
- 3 imprinted measuring scales (oz. c.c., dilution)
- Built-in strainer to prevent particle clogging

Note: No sprayer is compatible with all chemicals, and no sprayer should be used with chlorinated solvents (including bleach) or chemicals that harden and congeal.

Description	Art #
Chemical Resistant Spray Bottle	**0891504**

GENERAL PURPOSE SPRAY BOTTLE

- 24 oz. capacity
- A longer trigger gives more comfortable balanced grip, providing a longer, steadier use duration
- Each stroke produces over 40% more output than standard spray heads

Description	Art #
General Purpose Spray Bottle	**08915010**

PUMP DISPENSER

- Fits 5 gallon containers

Description	Art #
Pump Dispenser	**089100103**

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UNIVERSAL POUR SPOUT

- Fits 1 quart & 1 gallon containers

Description	Art #
Universal Pour Spout	**089191071**

WURTH OIL EXTRACTOR KIT

- Ideal for changing oil on tractors, cars, motorcycles, boats and many other types of engines
- Suitable for removing various types of fluids, such as hydraulic oil, cutting oil and engine oil
- Made of impact-resistant materials and extremely corrosion resistant
- Ideal for degreasing and cleaning even where aggressive chemicals are used
- Shipped with 2 liter container
- Maximum working pressure 87 to 174 psi
- 1/4" inlet connection

Description	Art #
WURTH Oil Extractor Kit	**07145525**

SPRAY MASTER

- Fits European aerosol cans

Description	Art #
Spray Master	**0891090**

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GENERAL PURPOSE LEVER BARREL PUMP

Ideal for:
- Water, Alcohol, Gas, Diesel, Kerosene & Petroleum Based Products

Fits:
- 35 to 53 Gallons Drums

Construction:
- Polypropylene Housing, Steel Rod, Viton ® Seals

Delivers:
- 9 oz. / Stroke

Description	Art #
General Purpose Lever Barrel Pump	**189100105**

OILER

- Constructed from transparent plastic
- Retractable shaft
- Adjustable nozzle to regulate flow
- 8 oz. capacity

Description	Art #
Oiler	**0695555323**

FAUCET FOR 35 GALLON BRAKE CLEANER

- Self closing faucet fits all drums and barrels with a 3/4" bunghole
- Ideal for lacquer

Description	Art #
Faucet for 35 gal. Brake Cleaner	**189100104**

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BLEND CENTER KIT

Versatile single station modular dispensing kit that allows user to build the system they require or mount units individually. Mixes/blends concentrated chemical product with water to the desired dilution ratio. Functions at 1 or 4 gallons per minute using included metering tip kit and Offset Metal Washer.

Features

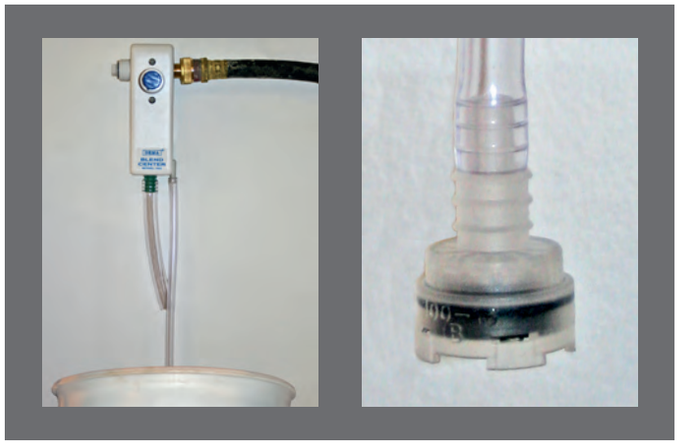
- Can be used with most concentrated chemicals (Perfect for concentrated Bulk Eco Products)
- Easy to install and mount (can be gang mounted/assembled)
- Push button activator

Kit includes

- Blend Center Assembly
- 8 ft. Vinyl Supply Hose with Foot Valve Assembly
- 6 in Vinyl Outlet Hose
- Metering Tip Kit (15 Metering Tips to fine tune mixture ratios)
- Ceramic Weight for Vinyl Supply Hose
- Screw/Anchor Set for wall mounting
- Chemical Labels
- Mounting Guide
- Installation Instructions

Removal of the Offset Metal Washer in the Green Proportioner allows for switching from 1 GPM to 4 GPM.

Description	Art #
Blend Center Kit	**1895633427**



PROPORTIONER MODELS 164C & 164BAG & BLEND CENTERS (1 GPM / 3.8 LPM)			
TIP	RATIO	oz/gal.	mL/L
Tan	102:1	1.25	7.8
Orange	75:1	1.70	10.5
Turquoise	60:1	2.15	13.3
Pink	43:1	3.00	18.6
Light Blue*	33:1	3.90	24.2
Brown	28:1	4.55	28.2
Red	22:1	5.80	36.0
White	18:1	7.00	43.4
Green	16:1	7.90	49.0
Blue	13:1	9.80	60.8
Yellow	9:1	14.80	91.8
Black	6:1	20.15	124.9
Purple	5:1	27.80	172.4
Gray	4:1	31.60	195.9
None	3.6:1	35.00	217.0

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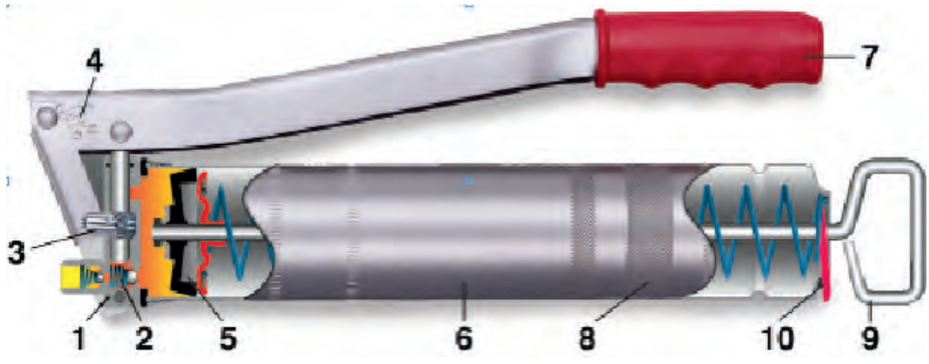
CARTRIDGE GREASE GUN

- Twin-lock system prevents dummy lubrication and grease leakage at piston
- Includes metal pipe and rubber hose
- Use only in accordance with instructions
- Suitable for Art. # 0890 402

Instructions:

1. Unscrew gun head
2. Draw back handle
3. Remove both grease cartridge (max. 400g/14 oz.) covers and insert in gun
4. For bulk grease (max. 500g/16 oz.) draw back handle 5cm/2", fill and repeat
5. Screw on gun head
6. Press clamping lever
7. Push plunger rod into gun
8. Open valve

Description	Art #
Grease Gun	**098600**
Hose	**0986002**
End Piece	**0986003**



1. Precision steel pump mechanism, no false lubrication, no wearing seals.
2. Short-stroke feed system, grease feed possible at any opening angle, two inlet openings, good grease flow even at low temperatures.
3. Filling and bleeding valve. Filling possible with cartridges, loose grease and with filling unit.
4. Dosing scale for controlled grease outflow.
5. Grease and oil-resistant special sealing piston.
6. Rugged precision pipe.
7. Ergonomically shaped safety handle.
8. Anti-slip knurled marking in handle area.
9. Closed piston-rod handle.
10. Locking system - stepless, anti-slip piston rod locking - no accidental triggering!

Design complies with German standard DIN 1283 (M10x1) and is Tüv/GS, BLT and DLG-tested.

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PISTOL TYPE GREASE GUN

- Heavy duty grease gun for one hand operation
- 2-way loading, cartridge or bulk load
- Equiped with 3-1/2" grease pipe and coupler
- Zinc die cast head assembly, heavy gauge barrel with slip resistant painted cover
- Pistol grip parts are zinc plated
- Plunger shaped for three way loading
- Plunger rod with Posi-Lok feature
- 4 jaw hydraulic coupler
- Develops up to 5,000 PSI
- Maximum 400g/14 oz

	Description	Art #
1	Grease Gun	**19869010**
2	Hose (sold separately)	**0986002**
3	Coupler (replacement)	**19869003**

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MANUAL CARTRIDGE GUN

- For dispensing 150, 225 & 300 ml. cartridges

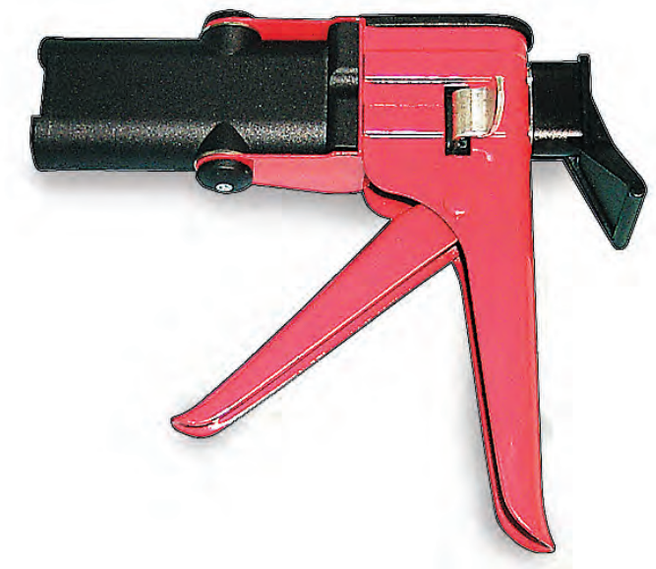
Description	Art #
Manual Dual Cartridge Gun	**08910091**

MANUAL 200 ML. CAULK GUN, 2:1 RATIO

- 200 ml.
- Mechanical Advantage 26:1
- Side Loading Frame - Accurate Cartridge Placement
- For use with 2:1

Description	Art #
Manual 200 ml. Caulk Gun	**08910200**

MANUAL DUAL 50 ML. CARTRIDGE GUN



- For dispensing our Wurthfix All Art. # 0893 301900 and any 50 ml. cartridges
- Heavy duty construction

Description	Art #
Manual 50 ml. Cartridge Gun	**1891989348**

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PNEUMATIC DUAL CARTRIDGE GUN

- True air regulator, 100 PSI maximum
- Dump valve stops material flow
- Adjustment knob controls flow
- Nominal thrust 484 lbs.
- For dispensing 150, 225 & 300 ml. cartridges
- Adjustable plungers to dispense 2:1 ratio cartridges

Description	Art #
Pneumatic Dial Cartridge Gun	**08910092**

ADAPTER FOR WURTH FIXALL

- Use with single cartridge style guns

Description	Art #
Adapter for WURTH FixAll	**08910004**

MIXER TIPS

Type	Description	Art #
	Mixer Tip for Powerbond	**08919609**
	Large Mixer Tip 10 oz. Cartridge for 7 & 10 oz.	**08910014**
	Small Mixer Tip Cartridge for 7 & 10 oz.	**08910013**
	Large Mixer Tip for 50 ml.	**089191060**
	Small Mixer Tip for 50 ml.	**08910005**

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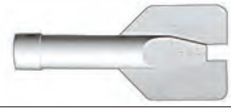
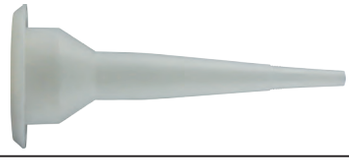
CAULKING TIPS

Type	Description	Art #
	Round Bead Tip	**0890100099**
	Wide Flat Bead Tip	**0891660**
	Standard Round Tip (Will not fit AdhesivFlex)	**0891653**
	Nozzle for Bond Seal Pouch	**0891601001**

- Screws onto Wurth 310 ml. cartridges
- Wide tip produces a "flat" bead of Seam Sealer to any width desired
- Markings on wide flat bead tip are easy to read so tech can cut to desired width
- Wide tip is ideal for P/U beads & door skins

SINGLE CARTRIDGE AIR CAULKING GUN

- Permits smooth flow caulking
- Works with all single cartridge Seam Sealers including AdhesivFlex

Description	Art #
Single Cartridge Air Caulking Gun	**1891010**

DELUXE CAULKING GUN

- Heavy duty
- One touch shut-off eliminates product dripping
- The finest hand operated Caulking Gun in the world
- Center balanced
- Cartridge holder removable for easy cleaning
- For use with 310 ml. cartridges

Description	Art #
Deluxe Caulking Gun	**089100**

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NO DRIP CAULKING GUN

- For use with 310 ml. cartridges
- Automatic vacuum action prevents dripping
- Heavy gauge metal
- Variable power settings
- Reduces clean up time
- Built in spout cutter
- Built in ladder hook
- Built in top piercer

Description	Art #
No Drip Caulking Gun	**0891000**

SAUSAGE PACK GUNS

Description	Art #
300 ml./13.53 oz.	**0891300300**

Description	Art #
600 ml./20.29 oz.	**0891400600**

Description	Art #
Nozzle for Bond Seal Pouch	**0891601001**

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UBS SPRAY GUN

- For fast application of stone-chip and underbody protection products on a plastic, bitumen and wax basis
- With variable spray nozzle for restoring original structure on sill panels, wheel wells, floor groups, etc.
- R 1/4" connection
- Only gun needed for both water and oil-based SKS , underbody seal and body wax

Description	Art #
UBS Spray Gun	**08911063**

SCHUTZ GUN (USA THREAD)

- For Bedliner Kit Only

Description	Art #
Schutz Gun	**0891106233**

SPRAY GUN (WITH 1 QT. ALUMINUM CUP - 1.7MM NOZZLE)

- All-purpose easy-to-clean paint spray gun
- Two-piece construction with gun featuring exclusive air valve design
- Fully adjustable wide fan pattern control
- 1 quart (946cc) capacity dripless cup
- **Perfect for use with WURTH Shield**

Specifications:

Nozzle Size:	1.8mm
Operation Pressure:	50-65psi
Net Weight: 2.31lbs. (1.05kg)	
Dimensions W x H:	7"x12"
Avg. Air Consumpt.:	7-12cfm
Air Inlet Thread NPT:	1/4"
Required Compressor:	3hp
Max. Pattern at 8" Distance: (280mm)	11"
Fluid Inlet Thread NPT:	3/8"
Air Hose I.D. Size:	6-8mm

Description	Art #
Spray Gun	**189170010**

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MULTI SPRAYER

The WURTH Multi Sprayer can spray SKS, Body Wax/Rust proofing, Underbody Seal or any petroleum or water based products.

- WURTH Multi Sprayer can duplicate any OEM texture of chip guard or undercoat.
- Three adjustment knobs allow infinite spray patterns
- The WURTH Multi Sprayer is classified as an H.V.L.P. (High Viscous Low Pressure). This allows thicker than normal products to be sprayed at low pressures with the advantage of very little over spray.

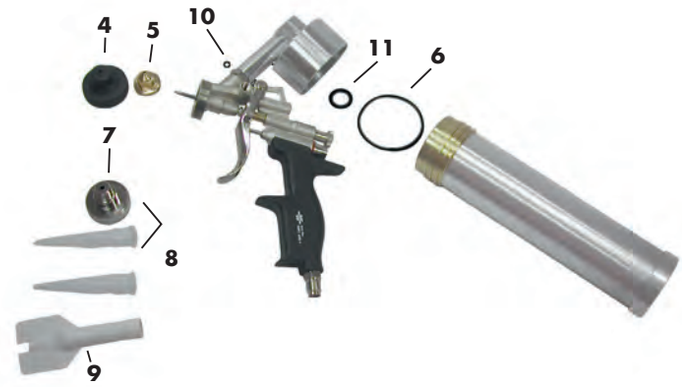
Left to Right: Spray Mist Wand and 90° Wand

Description	Art #
Multi Sprayer Set with 2 Wands	**0891111**
Multi Sprayer Set ONLY - NO WANDS	**0891110**
Spray Mist Wand (not shown)	**08911511**
90° Wand (not shown)	**08911510**

PNEUMATIC SEAM SEALER GUN

- Very little maintenance
- Duplicates original OEM sprayed textures
- Use care when screwing cartridge into gun
- Always leave a cartridge in the gun
- A great time saver when repairing large areas such as in or around the trunk or fender wells
- Special bead nozzles included

No.	Description	Art #
1	Seam Sealer Gun	**08916284**
2	Round Bead Tip	**0890100099**
3	Flat Bead Tip	**0891660**



No.	Description	Art #
4	Spray Cap	**18916289**
5	Nozzle	**18916290**
6	Canister O-Ring	**18916291**
7	Extrusion Cap	**18916292**
8	Round Bead Tip	**0890100099**
9	Wide Flat Bead Tip	**0891660**
10	Air Regulator O-Ring	**18916293**
11	Cartridge O-Ring	**18916294**

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INDUSTRIAL STRENGTH SWABS

Low-lint, medical-grade, high-absorption swabs for the precise application and removal of chemicals.

Remove or apply most shop type chemicals, lubricants or paints on:

- Bores
- Fittings
- Head Bolt Holes
- Tubing
- Threads
- Pipes
- Grease guns
- Gaskets
- Dirt & debris
- And much more!

325 piece kit includes:			
3" (5mm)	100 swabs	6" (12mm)	25 swabs
6" (5mm)	100 swabs	9" (16mm)	25 swabs
6" (8.5mm)	50 swabs	9" (20mm)	25 swabs

Description	**Art #**
Industrial Strength Swabs - 325 pc Kit	**0899574**

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JUMBO MARKERS WATER BASED REMOVABLE

Wide nib, allows marks from 0.1" to 0.576" wide, for thin to bold lines. Special acrylic paint formulation withstands rain, wind and direct sunlight for weeks without flaking or fading, yet wipes off with a damp cloth! Will not ghost metals!

Features

- General purpose marker
- Writes on most surfaces
- Water-based - no VOC's
- Marks are bright, durable, and removable
- Quick drying, withstands indoor and outdoor conditions
- Ideal for all surfaces including metal, glass, wood, rubber, plastic, and more
- Valve controlled assembly is used to disperse paint as needed to the nib
- Marker barrels are made using plastic body filled with large paint quantity 22 ml

Suitable for

- Auto workshops
- Auto repair facilities
- Body shops
- New car dealerships
- Auto & Cargo manufacturing facilities
- Mark on windows, tires, and body panels
- Marking automobile & truck areas needed for repair
- Mark Cargo and metal for sizing and distribution

Five different colors to choose from!

Description	Art #
Jumbo Marker Water Based Removable - Blue	**0967910951**
Jumbo Marker Water Based Removable - White	**0967910953**
Jumbo Marker Water Based Removable - Green	**0967910950**
Jumbo Marker Water Based Removable - Yellow	**0967910952**
Jumbo Marker Water Based Removable - Hot Pink	**0967910956**

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PAINT MARKING PENS

Four different types to choose from!

WURTH
SUPER METAL TIP MARKER YELLOW
METAL PRO FIBER TIP MARKER FOR GALVANIZED STEEL GREEN Industrial Grade
PUMP ACTION FIBER TIP MARKER WHITE Industrial Grade
WATER BASED PERMANENT MARKER BLUE Industrial Grade

Description	Art #
Water Based Permanent Marker (BLUE)	**0967910901**
Metal Pro Fiber Tip Marker for Galvanizing Steel (GREEN)	**0967910902**
Pump Action Fiber Tip Marker (WHITE)	**0967910903**
Super Metal Tip Marker (YELLOW)	**0967910904**

Features

- Non-slip rubber pro grip
- Durable clip cap
- Medium point reversible tip extends life of marker
- Fast-drying

Suitable for

- Auto Body
- Auto & Cargo repair facilities
- Machine shops
- Tool shops
- Professional welders
- Plumbers
- Fabricators
- Marble / Stone Fabricators

Water Based Permanent Marker - BLUE

- 100% water based, **permanent**, VOC-free, non toxic
- Weather and water resistant
- Ideal for autos - writes on metal, paint and glass

Metal Pro Fiber Tip Marker for Galvanized Steel - GREEN

- Marks stay on during fabrication and come off completely in galvanizing tank
- No bleed through

Pump Action Fiber Tip Marker - WHITE

- Oil based permanent writes on rubber
- Ideal for all surfaces - metal, glass, wood, rubber, plastic and more

Super Metal Tip Marker - YELLOW

- Metal tip fine point
- Yellow oil based marker

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MICRO GRIP

Small grip pliers with toggle point joint clamping system.

Features

- Adjustable toggle joint clamp, jaw width 0-12mm, always guarantees the highest clamping force in extremely small space.
- Compact design (overall length 92mm) and low weight of 120g is handy, practical and universally useable.
- Advantage through use of high strength aluminum for easy handling, resistant against welding splashes, suitable for aluminum repairs.

Description	Art #
Micro Grip	**07140932**

Easy to use...

Adjust

Clamp

Release

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BUTT WELDING CLAMP

Features

- Holds panels of two different thickness
- Anchor panels nearly edge-to edge for MIG brazing an open butt joint
- Steel, Aluminum construction
- Dimensions: 1.25" x 1.5" x 2.75"

The Butt Welding Clamps are a fast and effective method of fastening materials for wire feed welders. Especially effective for positioning structural members, these clamps are useful with today's higher strength steels that require lower welding temperatures.

Description	Art #
Butt Welding Clamp	**07140200**

MICRO WELDING CLAMP

Features

- Fast & effective method of fastening for pinch/spot weld
- Huge clamping force for its size due to the wedge style clamping
- Low profile
- Flexible gripping surface
- No need to bear down on wing nut due to amplified force of the wedge
- Dimensions: 0.625" x 1.25" x 2.375"

The Micro Welding Clamp provides a fast and effective method of fastening materials for pinch/spot welds.

Description	Art #
Micro Welding Clamp	**07140201**

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WHEEL ARTCH CLAMP

Features

- Used to clamp hard to reach access points like a wheel arch
- Wedge method applies strong clamping force
- Ergonomic tightening
- No need to bear down on wing nut due to amplified force of the wedge
- Flexible gripping surface
- Low profile

The wheel arch clamp can be set up in seconds. The unique design of the clamp allows the clamping end to fit into tight spaces and moves the wing nut adjustment to an easy-to-reach location.

Description	Art #
Wheel Arch Clamp	**07140202**

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WELDING CLAMPS

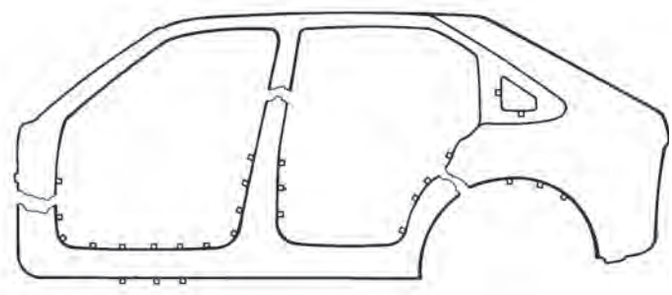
For quick and easy fixing of sheet metal for welding or bonding.
WURTH Patented Product

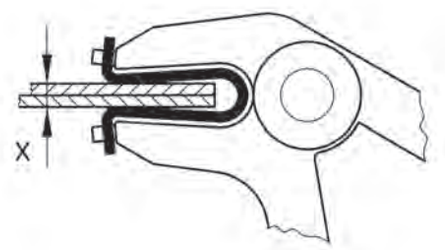
Features

- Quick fastening and loosening clamps for enormous time savings in comparison to impact or screw clamps.
- Most economical alternative to conventional vise grip pliers.
- Large clamping range in comparison to clamp size, owing to their small size (cor responding to a door seal); gap dimensions can be set without effort.
- No cumbersome loosening or opening of clamps.
- Readjustment of sheet metal possible at any time without problem.
- The special angled shape of the pliers allow universal use of the clamps.
- Use clamps in tight spaces, such as: Trunk edges, hatchback, door columns, triangular windows, etc.

Description	Art #
Welding Clamp Set	**096574417**

Includes			
Description	**Sheet Metal Thickness**	**Pack Qty**	**Art #**
8 Welding Clamps - Zinc	0 - 2.5 mm	5 pcs	**0713744025**
8 Welding Clamps - Yellow	2.5 mm - 5 mm	5 pcs	**0713744050**
Welding Pliers	0 - 2.5 mm		**071374401**





3 Easy Steps

1. Insert the welding clamp into the welding pliers and open the clamp.

2. Slide the clamp over the sheet metal edges to be joined and release the pliers.

3. The powerful force of the welding clamp keeps the clamped sheet metal in place. To remove the fixing clamp, slide the pliers over the clamp and open.

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HIGH TEMPERATURE PROTECTIVE BLANKET HTD 1000

To protect sensitive components during welding and soldering work.

- Suitable for use under extreme conditions
- Can be used for soldering work on piping
- Resistant to sparks, slag, welding beads and red hot materials
- Asbestos-free
- Resists temperatures up to 1,562 ° F, up to 1,832 ° F for short periods of time

Size	Art #
13" x 20"	**09843501**
40" x 60"	**0984350**

BIONIC SHIELD

- Extended top-of-head coverage
- Superior optics and full face visor designed to maximize visibility and protection
- Suggested for applications requiring dielectric protective equipment
- Built-in chin protection deflects flying particles and debris
- Adjustable head size with a simple turn switch
- Suitable for grinding and sanding

Description	Art #
Bionic Shield	**0984660**
Replacement Visor	**0984661**

PICK HAMMER

- Chip away unwanted weld splatter and slag as well as scale, rust and paint from metals
- Steel, .88 lbs.
- DIN 5133

Description	Art #
Pick Hammer	**071582400**

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REPLACEMENT PARTS FOR AUTOMATIC WELDER'S HELMET KONTRAST

Accessories/Spare Parts		
Description	**Pack Qt.**	**Art #**
Front cover lens frame	1	**098470012**

Helmet no longer available

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REPLACEMENT PARTS FOR AUTOMATIC WELDER'S HELMET KONTRAST PLUS (OLD ART.# 0984700)

Accessories/Spare Parts		
Description	**Pack Qt.**	**Art #**
Front cover lens frame	1	**098470012**

Helmet no longer available

REPLACEMENT PARTS FOR WURTH SATELLITE WELDING HELMET (OLD ART.# 0984680)

Accessories/Spare Parts		
Description	**Pack Qt.**	**Art #**
Front cover lens frame	1	**098470012**

Helmet no longer available

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SELF-IGNITING MULTI-FUNCTION HEAT TOOL

Description	Art #
Self-Igniting Tool	**1702614**

- Designed for automotive and truck repairs, electrical components, electrical panels, circuit board repair, heat shrink tubing, silver solder, cutting nylon rope, foam and much more
- No cords, so it can be used anywhere
- Equivalent to 120 watt soldering iron & 2500°F (1300°C) torch
- Ready to use 30 seconds after ignition
- 4 hours run time on each fueling
- See-through fuel tank

TURBO-LITE

- A specially designed electronic piezo lighter with windproof and weatherproof flame
- Electronic ignition system with safety locking switch
- Powered by standard cigarette lighter butane fuel
- Adjustable flame for low or high temperatures up to 2500°F (1300°C)
- 30 minutes run time on each fueling

Description	Art #
Turbo-Lite	**1702612**

ULTRATANE BUTANE FUEL

- Triple refined formula reduces clogging of filters
- Special vapor pressure promotes consistent ignition
- Contains no CFC's, canister with single-piece universal filling tip
- 15/16 oz. (26.5 grams)
- UPS shipable

Description	Art #
Ultratane Butane Fuel	**1892702**

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ULTRA-THERM HEAT GUN

Description	Art #
Ultra-Therm Heat Gun	**1702613**

- Designed for industrial use where high volume heat is required
- The wide nozzle and high-output long life catalyst provide for infinitely adjustable heat levels in a completely portable tool
- The included deflector attachment makes large heavy wall heat shrink tubing a snap to install
- Can be used almost anywhere you would use a corded heat gun, except NO EXTENSION CORD

HAND HELD MICRO TORCH

- Adjustable high output flame runs a minimum of 60 minutes on each refueling
- Flame temperature up to 2500°F (1300°C)
- Piezo electronic ignition system with internal brass and ceramic parts ensure precision operation and long life
- Body constructed of hi-tech polymers providing a sturdy, yet lightweight feel

Description	Art #
Hand Held Micro Torch	**1702616**

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PROFESSIONAL HEAT GUN

- Perfect for use with the Dent Lifter Kit
- Stripping and spot drying paint
- Bending and forming plastics
- Speed drying parts
- Removing floor tiles
- Loosening nuts and bolts
- Shrink tubing and packaging
- Shaping vinyl for installation
- Powerful high speed universal motor
- Sturdy die cast housing
- C-UL-US Listed. Made in USA
- Adjustable non-slip stand

Features:

- 1740 Watts
- Weight: 3.5 lbs.
- Temperature settings from 500°F - 750°F
- Airflow of 23 CFM at 3000 FPM
- Built-in hand and switch guard
- 6 feet of oil-resistant, grounded neoprene 3 wire cordset
- Double protected element housing
- Wrap-around air intake allowing it to draw air from any position

Description	Art #
Heat Gun	**0702600**
Replacement Heat Element	**0702603**

ECONOMY HEAT GUN

- Spot dry paint and primers
- Remove weather stripping without damage to doors
- Soften vinyl tops to stretch material over short areas and remove wrinkles and bubbles
- Soften undercoating for easy removal
- Remove and replace decals
- Speed cure body fillers & cements
- Thaw frozen door locks, radiators
- Loosen rusted fittings
- Shrink seat covers for a perfect fit
- Apply shrink tubing
- Remove adhesive backed side mouldings

Features:

- Two heat settings: 500°F & 1000°F
- Lightweight, 1 lb., easy to hold for long periods of time
- Built-in hand guard
- UL listed, safety agency tested & approved for user safety
- Thermoplastic case for high impact durability
- Built-in stand, very stable, allows user to set heat gun down in an upright position

Description	Art #
Economy Heat Gun	**0702590**

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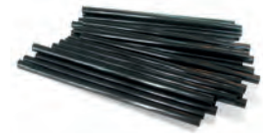
ELECTRIC GLUE GUN

- Used for wood, plastic, metal, ceramics, magnets, leather, paper, cloth and other porous and non-porous materials
- Melts glue twice as fast as regular full size glue guns
- Double heater
- 80 watts of heating power
- Dries in 60 seconds
- No clamping or clean-up required
- Use with Dent Lifter Kit

Description	Art #
Electric Glue Gun	**0702100057**

GLUE STICKS

- Special adhesive sticks designed for WURTH dent repair systems
- All hot-melt adhesives are UV aging and water-resistant

		
Designation	High-Strength Hot-Melt Adhesive	Universal Hot-Melt Adhesive
Color	transparent light brown	black
Length	195 mm	180 mm
Dia. of hot-melt adhesive	11.5 mm	11.5 mm
Content	10 pc.	24 pc.
Package Qty.	180 g.	500 g.
Art. #	**0890100050**	**1890100055**
Brief Description	High tensile strength and hardness make it best suited toward small dents. The adhesive material is hygroscopic.	Easiest removal of hot-melt adhesive. Optimum for adapters with a diameter of 21 mm or more. Good adhesion on painted surfaces.
Technical Data		
Basis	polyamide thermoplastic	polymer-based connection
Density	0.89 g/cm^3 at +68°F	0.96 g/cm^3 at +68°F
Melting point	+275°F	+185°F
Application temperature	+356°F - 392°F	+374°F - 410°F
Processing time	20 seconds	20 - 45 seconds
Hardening time	30 seconds	30 - 50 seconds
Shore A hardness	77	40 ± 20
Bonding strength	up to 6.5 N/mm^2	up to 2.7 N/mm^2
Shear strength	up to 3.5 N/mm^2	1 - 1.5 N/mm^2
Tensile strength	up to 140 kg/cm^2	up to 43 kg/cm^2
Viscosity	10,000 - 18,000 nPas	6,700 nPas
Thermal stability	+257°F	+158°F
Resistance to cold	-4°F	14°F
Shelf life	24 months	24 months

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FLUORESCENT WORK LIGHTS WITH ROUGH SERVICE BULB

Cord Light	Switch in light head	Switch in handle	With tool tap outlet	Reel	In line ballast	Cord	Art #
25'	No	Yes	Yes	No	No	16/3	**08272550**
25'	Yes	No	No	No	Yes	18/2	**08272554**
30'	No	Yes	Yes	Yes	on reel	16/3	**08273006**
40'	Yes	No	No	Yes	Yes	18/2	**08274023**
40'	No	Yes	Yes	Yes	on reel	18/3	**08274042**
50'	Yes	No	No	No	Yes	18/2	**08275018**
50'	No	Yes	Yes	No	No	16/3	**08275019**
N/A	No	Yes	Yes	–	–	–	**08279639**
30'	N/A	N/A	N/A	Yes	N/A	16/3	**08273000**

- All parts above the end cap are clear material to maximize light output
- Twin spring steel hook with cushion tips is standard
- Tool tap is located away from light head and hands
- Drip guard protects tool tap when not in use
- Three-way cushion located at top end of the lamp provides same light as 100 watt incandescent
- Large bumpers on handle to protect the light if dropped
- Convenient on-off button inside of handle to protect from dirt and grease
- Compact ballast is located in handle to eliminate ballast box on the cord
- Heavy duty oil resistant cord
- Rough service bulbs standard equipment - rated at 10,000 hrs.

ROUGH SERVICE DROPLIGHT BULBS

Description	Art #
50w, 130v Standard	**17200050**
100w, 130v Standard	**172000100**
75w, 130v Standard	**17200070**
75w, 130v Toughcoat*	**172000701**

*Toughcoat shatter-resistant bulbs reduce liability risks and enable you to comply with FDA and OSHA requirements. Used in automotive drop cords, mechanic trouble lights, extension cords and anywhere else the risk of severe shock may be encountered.

ROUGH SERVICE DROPLIGHT BULBS

- Single-ended plug in base with integral starter and interference suppressor
- Up to 75% less energy cost and heat compared to incandescent lamps
- It's 13w equals 60w of incandescent
- Helps conform to OSHA requirements
- Made in the USA
- Article # 1720 62000 is silicone injected at the base where standard bulbs fail - rated 10,000 hours

Description	Art #
13w Professional Silicone Injected - Rough Service	**172062000**
13w Economy	**07203900**

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STANDARD DUTY WITHOUT TOOL TAP

Description	Art #
25' Cord	**08272554**
50' Cord	**08275018**
Replacement Lens	**08271000**

HEAVY DUTY WITH TOOL TAP

Description	Art #
25' Cord	**08272550**
50' Cord	**08275019**
Replacement Lens	**08272000**

HEAVY DUTY ON REEL WITHOUT TOOL TAP

Description	Art #
without outlet	**08274023**

HEAVY DUTY ON REEL WITH TOOL TAP

Description	Art #
30' Reel	**08273006**
40' Reel	**08274042**

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TRIPLE TAP REEL WITH CIRCUIT BREAKER

Description	Art #
30' Reel	**08273000**

CONVERT A LIGHT

- Easily converts from incandescent to fluorescent.

Description	Art #
with Ballast	**08279639**
without Ballast	**08279666**

UV LIGHT PROBE WITH UV GLASSES

- Flexible wand gets into tight areas.
- 4 True LED bulbs
- Bright LED technology illuminates brilliant fluorescent glow
- Comfortable ergonomic grip with E-Z access on/off button
- Fluorescent enhancing safety glasses
- 100,000 hour bulb life

Description	Art #
UV Light Probe w/ UV Glasses	**1827560**

27 LED CORDLESS WORKLIGHT

- Designed to eliminate the need for a corded light
- Slim design allows for easy access to tight places
- Impact resistant polycarbonate tube with non-slip handle
- Produces very little heat, therefore eliminating the possibility of burns to the technician or vehicle components during continuous use
- 27 Super-bright, long-life LEDs provide forward directed pure white light
- Swivel Friction Hook: Swivel hook design allows the light to be positioned in any direction
- Rechargeable: Provides up to 5 hours of continuous operation
- Replaceable board and components
- Charger Included
- Proudly made in North America
- 1 Year Limited Warranty • 60 mAH Battery

Description	Art #
27 LED Cordless Worklight	**0764000751**

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LED RECHARGABLE WORK LAMP

See what you're working on!

Features

- Flexible lamp head tilts up to 180°
- Three (3) strong built-in magnets to place in high places
- 21 LED's as main light, 5 LED's as spotlight
- Light output main light: 1,000 Lux at 0.5 meters
- Light output spotlight: 250 Lux at 0.5 meters
- Lighting duration main light: 8 hours
- Lighting duration spot light: 15 hours
- Battery: rechargable lithium-ion 3.7 V DC, 2,100 mAh
- Charge time: 4 hours
- Includes 230 V charger

2 Suspension Hooks

3 Strong Magnets

5 LED Spot Beam

Description	Art #
LED Rechargable Work Lamp	**082753110**

Description		Art #
A	LED Light Replacement Lens - Front Light	**0827531001**
B	LED Light Replacement Lens - Top Light	**0827531010**

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COLD SHRINK TAPE

- Water resistant
  Your advantages:
  - The shrink tape provides various materials with a water and steam proof seal
- Good insulation properties
  Your advantages:
  - Thanks to its disruptive strength, the tape is highly suitable for insulating cables and electical lines
- Highly compatible with any insulation and sheathing materials
  Your advantages:
  - Good compatibility with PE, PVC, butyl, neoprene etc. allows to be used in many different areas in the automotive and electrical fields
- Highly elastic
  Your advantages:
  - The tape can be stretched considerably and nestles very close to the material to be processed

Applications

- Sealing of pipes and hoses
- Emergency sealing of radiator and gas hoses
- Insulation of electrical lines and cables
- For use in places where heat shrink tubes can no longer be used
- Bundling lines

Base material	Polyisobutylene (black)
Elongation at tear	600%
Application temperature	41°F to +95°F
Temperature resistance	-40°F to +194°F
Disruptive strength	40kV/mm
Shelf life (at approx. 68°F and 50% humidity)	24 months (store dry, lying and dust-free)
UV resistance	conditional
Moisture resistance	given

Notes on application

- The surfaces to be sealed must be dry and free of dust and grease
- Remove PVC cover foil and stretch the tape considerably
- To achieve problem-free adhesion and a water-proof seal, wrap the tape tightly around the material to be processed and then overlap
- The shrink tape is only conditionally UV-resistant and should therefore be protected from direct sunlight

Description	Art #
Cold Shrink Tape	**19850771**

BRUSHABLE ELECTRICAL TAPE

- 4fl oz. brush can
- Protects vehicle wiring from all weather conditions as well as corrosion from salt and calcium
- Flexible waterproof coating
- Easy to use brush applicator
- Coats, seals and insulates
- Won't crack, fray or unravel like tape
- Great for hard to reach areas

Description	Art #
Brushable Electical Tape	**0893198010**

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ELECTRICAL TAPE

- Plasticised PVC tape with good mechanical and electrical properties
- UL/CSA listed for use in electrical insulation application
- Having a modified rubber-resin adhesive coating provides good ageing resistance and high adhesion strength
- Suitable for most electrical insulation application in the building, construction, automotive, cycle and marine industries
- Also useful in sealing, binding, protection and decorative application
- Size roll: 3/4 x 60'
- Thickness: 7 mil.
- High quality electrical tape for all your electrical needs
- Suitable for use at no more than 600v and not more than 176 ° F
- 10 rolls per sleeve

Description	Art #
Electrical Tape	**1985615**

IMPORTED ELECTRICAL TAPE

- VDE-tested according to DIN EN 60454-3-1 Type 5
  Your advantages:
  - Safety thanks to tested properties
  - Up to 9kV disruptive strength
  - Hardly flammable
- Safe, easy use
  Your advantages:
  - Tear-proof and resistant to aging
  - High flexibility and adhesive strength
- Following assembly, consistently positive properties, even at changing temperatures
- Largely resistant to diluted acid and caustic solution

Application

For insulating, marking electrical cables and securing cable harnesses etc.

Note:

Protect tape from exposure to direct sunlight.

Description	Art #
Imported Electrical Tape	**09856**

Chemical basis	Acrylate, soft PVC foil
Thermal stability	32°F to +194°F
Disruptive strength	9 kV
Minimum shelf life	24 months

3M® LINERLESS ELECTRICAL SPLICING TAPE

- Size roll: 3/4" x 15' x 0.030" thickness
- Moisture sealing
- Insulating
- Flame retardant

Description	Art #
3M Linerless Electrical Splicing Tape	**1985617**

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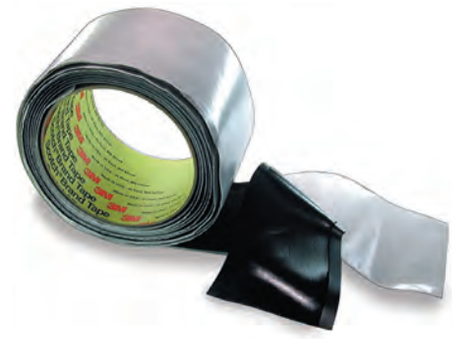
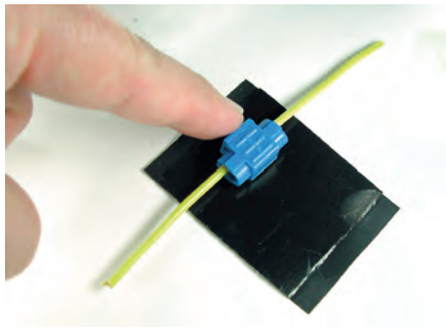
MOISTURE SEAL TAPE

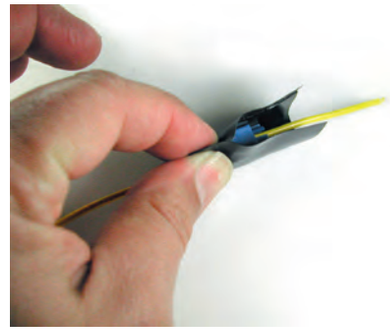
- Size roll: 2.5" x 10' x 0.045" thickness
- Moisture proof connectors
- Tough vinyl backing prevents abrasion
- Protects terminal blocks
- Adds strain relief to splices
- Vulcanizes when both tape surfaces meet giving all season, all weather protection



Description	Art #
Moisture Seal Tape	**1985616**



Place



Join Tape Surface

Sealed Permanently

BLACK CLOTH FRICTION TAPE

(Cotton cloth impregnated with a rubber based adhesive)

Applications:

Offers good mechanical protection against abrasion and penetration of low voltage cable, splices and wire. Used for insulation and protection of industrial harnesses and electrical wires from physical damage caused by friction.

Features/Benefits:

Black cotton cloth with non-corrosive rubber resin adhesive. It's cloth backing makes this tape easily torn by hand and extremely conformable. Highly resistant to humidity and galvanic corrosion. For contractors who demand a consistent, trouble-free product.

Performance Specifications:

- Maximum Temperature of 176 ° F
- Dielectric Strength of 1,000 volts

Description	Art #
Black Cloth Friction Tape	**1985620**

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TAPE

	Style	Width	Roll Yard	Art #
1	Nylon Filament Tape	3/4"	60	**199230030**
2	Premium Duct Tape - Grey	2"	60	**199230040**
	Economy Duct Tape - Grey	2"	60	**199230042**
3	Premium Duct Tape - Black	2"	60	**199230041**
	Economy Duct Tape - Black	2"	60	**199230043**
4	Packing Tape (Brown)	2"	55	**199270**
5	Clear Label Tape	4"	72	**199260**
6	Clear Label Tape	2"	55	**199271**
7	Clear Heavy Duty Label Tape	2"	55	**199275**

- Low tensile, economical fiberglass reinforced filament tape, with an aggressive high shear resistant adhesive system
- Used for palletizing and unitizing currogated and paper board boxes
- Non-critical bundling applications

Art. # 199230030					
Backing material	**Type of adhesive**	**Total thickness**	**Adhesion to steel**	**Elongation at break**	**Tensile strength**
Glassfiber & BOPP	Synthetic rubber	101.6 um 4.0 mils	7.6 N/cm 69.4 oz/in	4%	193 N/cm 110.2 lbs.

- 10 mil light industrial grade cloth duct tape used to seal cartons, bind books, repair seats, bundle wires, splice, repair and seal hatch covers and cargo doors in the shipping industry
- Use as a condensation barrier in appliance assemblies
- Tested in accordance with UL 723
- Used in industrial, construction, auto and marine markets

Art. # 199230040			
	Standard	**Metric**	**ASTM Test Method**
Tensile strength	27 lbs/in width	47.3 N/10 mm	D 3759 D 3759M
Adhesion to Stainless Steel	50 oz/in width	5.47 N/10 mm	D 3330 D 3330M
Thickness	10 mils	0.25 mm	D 3652 D3652M
Elongation	15%	15%	D 3759 D 3759M
Service Temperature Min	50°F	10°C	N/A
Servive Temperature Max	200°F	93°C	N/A

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TAPE (CONTINUED)

- 8 mil economy cloth duct tape used for packaging, bundling, sealing, seaming, repairing, holding and waterproofing
- Good adhesion characteristics
- Used in industrial, auto and marine markets

Art. # 199230042			
	Standard	**Metric**	**ASTM Test Method**
Tensile strength	20 lbs/in width	35.0 N/10 mm	D 3759 D 3759M
Adhesion to Stainless Steel	45 oz/in width	4.93 N/10 mm	D 3330 D 3330M
Thickness	8.0 mils	0.20 mm	D 3652 D3652M
Elongation	15%	15%	D 3759 D 3759M
Service Temperature Min	50°F	10°C	N/A
Servive Temperature Max	200°F	93°C	N/A

- 10 mil light industrial grade cloth duct tape used to seal cartons, bind books, repair seats, bundle wires, splice, repair and seal hatch covers and cargo doors in the shipping industry
- Use as a condensation barrier in appliance assemblies
- Tested in accordance with UL 723
- Used in industrial, construction, auto and marine markets

Art. # 199230041			
	Standard	**Metric**	**ASTM Test Method**
Tensile strength	27 lbs/in width	47.3 N/10 mm	D 3759 D 3759M
Adhesion to Stainless Steel	50 oz/in width	5.47 N/10 mm	D 3330 D 3330M
Thickness	10 mils	0.25 mm	D 3652 D3652M
Elongation	15%	15%	D 3759 D 3759M
Service Temperature Min	50°F	10°C	N/A
Servive Temperature Max	200°F	93°C	N/A

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TAPE (CONTINUED)

- Performance grade, biaxially-oriented polypropylene carton sealing tape
- Characteristics include good impact resistance, very good adhesion and shear resistance on most carton surfaces
- Use for carton sealing, light bundling
- Meets CID A-A-1684C specification

Art. # 199270				
Backing material	**Type of adhesive**	**Total thickness**	**Adhesion to steel**	**Elongation at break**
PP film	Synthetic rubber	40 um 1.6 mils	4.8 N/cm 43.9 oz/in	165%

- Moisture-proof label protection tape for industrial and production laminating, joining, protecting, covering
- Resists bacteria, fungi, solvents, weathering and yellowing
- Use on industrial and auto markets

Art. # 199260			
	Standard	**Metric**	**ASTM Test Method**
Tensile strength	20 lbs/in width	35 N/10 mm	D 3759 D 3759M
Adhesion to Stainless Steel	23 oz/in width	2.52 N/10 mm	D 3330 D 3330M
Thickness	1.8 mils	0.05 mm	D 3652 D3652M
Elongation	140%	140%	D 3759 D 3759M
Service Temperature Min	-20°F	-29°C	N/A
Servive Temperature Max	180°F	82°C	N/A
Application Temperature Min	20°F	-7°C	N/A
Application Temperature Max	110°F	43°C	N/A
Adhesion to backing	15 oz/in width	1.73 N/10 mm	D 3330 D 3330M
Adhesion to Kraft	9 oz/in width	0.89 N/10 mm	D 3330 D 3330M

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PTFE TAPE

- For sealing pipe joints
- Resistant against all aggressive media
- Temperature resistant from 32°F to +500°F
- No sticking or swelling, preventing seizing of threads
- Threaded connections can easily be loosened even after years of service
- DVGW-tested (thickness: 0.1 mm) pursuant to DIN EN 751/3 (97) and DIN 30660 (99)

Description	Width	Length	Thickness in mm	Surface-based mass g/m²	Pack. Qty	Art. #
PTFE Thread Sealing Tape	5/8"	13.2 yards	0.08	25	10	**0985030165**

PACKAGING TAPE DISPENSER

- Easy to load, durable with anti-reverse bar and blade safety guard for 2" width maximum use
- Ideal for carton sealing
- Recommended

Description	Art #
Packaging Tape Dispenser	**1985051**

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HOOK & LOOP FASTENER (ADHESIVE BACK)

VELCRO™ tapes can be attached to end products by a variety of methods, including:

- Sewing (most commonly used).
- Adhesives incl. pressure sensitives.
- Dielectric (heat sealing w/adhesives).
- Heat activation.
- Ultrasonic (welding by molecular vibration).
- Mechanical.

Description	Size	Art #
Hook & Loop Fastener	3/4"	**189434**

DUAL LOCK FASTENER (ADHESIVE BACK)

Backing/Attachment:

- Pressure sensitive very high bond Scotch VHB acrylic adhesive.

Dwell Time:

- 48 hours minimum, 72 hrs for max. performance.

Operating Temperature:

- -20°F (-29°C) -158°F (70°C) continuous & -20°F (-29°C) -200°F (93°C) intermittent.

Description	Size	Art #
Dual Lock Fastener	1"	**18949201**

STAINLESS STEEL SAFETY LOCK WIRE

Gauge	Weight	Art #
.032	1 lb.	**17709507**

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BENCH GRINDING WHEEL

- For general purpose metal grinding and finishing
- Wheels are individually precision ground and balanced, true and faced smooth operation
- All wheels are speed tested
- Includes nested bushings
- 6" x 1" x 1"
- Comes with adapters to fit 1/2", 5/8" and 3/4" arbors

Description	Art #
Bench Grinding Wheel	**16799150**

MECHANIC'S SAFETY WIRE

- 18 gauge is good for Body Shops. (Hanging up parts to be painted)

Gauge	Weight	Art #
18	5 lbs.	**17709505**
18	2 lbs.	**17709506**

- 14 gauge is good for mechanical shops. (Hanging brake calipers, exhaust, etc.)

Gauge	Weight	Art #
14	5 lbs.	**17709508**
14	2 lbs.	**17709509**

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SNO-BUSTER

CLEAR THE WAY FOR SALES!!

Managers cringe at the thought of a snow storm. They lose valuable selling time during and after a storm while vehicles are hidden beneath a blanket of snow. These managers know how important it is to uncover vehicles to meet sales goals.

The Sno-Buster snow broom enables dealerships to clear hundreds of vehicles completely, quickly and without scratching paint or damaging accessories.

Commercial Quality
The molded head is made of industrial grade polyethylene foam that endures harsh conditions and hundreds of vehicle clearings. Sno-Buster is approved for use on "Class A" finishes and received the highest ratings possible from an independent testing lab for non-abrasiveness, freeze resistance and durability. Manufactured with standard threads, Sno-Buster can be used with your current inventory of broom handles or with extension handles for high roofs.

A Proven Time Saver
Lot crews can work faster and more efficiently because Sno-Buster's oversized head weighs only 8 ounces. The light weight of the head and handle may avoid costly damage that a heavier tool can cause.

Description	Art #
Sno-Buster	**069594423**

Detail

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REUSABLE SEAT COVERS AND FLOORMATS

These seat covers and floormats are an environmentally-conscious alternative to using disposable plastic. Also, they are cost effective since they can be washed and re-used many times over.

FEATURES

Crafted with durable and long lasting polypropylene material

- Machine washable for continued use
- Keeps your customer's car seat clean of dirt and oil

Environmentally-conscious alternative

- No wasted disposable plastic
- Re-usable and cost effective

Description	Art #
Seat Cover	**0WGE900100**
Floormat	**0899500070**

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PLASTIC MASK SHEETING/CAR COVERS

Size	Art #
12' x 400' Sheeting	**089977040**
.9 ml Large Car Cover - 6.5' x 25' - 25/Roll	**089977020**

WHEEL MASKERS

- Protects tire & wheel while painting
- Chemical resistant
- Anti-static additive
- No slip surface on both sides
- 100 per box

Description	Art #
Wheel Maskers	**089977030**

FLOOR MATS

- 500 mats per box
- Rugged, plastic coated paper
- Generous size,17" x 22"

Description	Art #
Floor Mats	**189950036**

STEERING WHEEL COVER

- 100 per box
- Keeps steering wheel clean
- Reusable, form fitting
- Chemical resistant

Description	Art #
Steering Wheel Cover	**1899500201**

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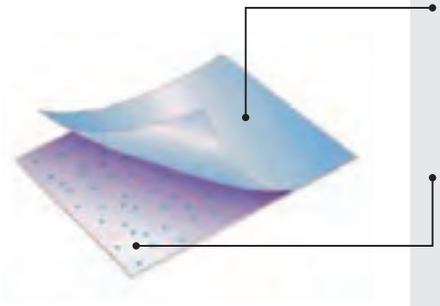
DISPOSABLE SEAT COVERS

- Standardized design protects bucket, bench and split seats
- The two-layer design ensures seat covers stay in place
- Keeps upholstery clean
- Non-slip surface on both sides
- Chemical resistant
- Extra large cover fits high back seats



The top (outside) layer of the seat cover is smooth so technicians can "slip" in and out of vehicles easily. This allows them to work faster without the need for extra caution.

The bottom (inside) layer of the seat cover is formulated with a high friction plastic so that it can "grip" itself into place on cloth, leather and carpet. This layer keeps the product in place for continued protection.

Description	Thickness	Width x Length	Art #
Seat Covers - 200 / roll	**0.7 mil**	**32" x 56"**	**189950011**
Seat Covers - 500 / roll	**0.5 mil**	**32" x 52"**	**189950015**
Dispenser	**-**	**-**	**089950006**

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WRECK WRAP

- Vehicle interior is protected from rain, snow, and UV rays
- Adhesive does not transfer to the body of the vehicle when removed
- Film cutter is included
- Great for collision center storage lots!

Size	Art #
18" x 100' Roll (includes 2 rolls)	**189977051**
36" x 100' Roll	**189977050**

PROTECTIVE SHEETING

This high density paintable plastic sheeting is corona treated and provides superior protection from overspray and other contaminants. These airborne contaminants adhere to the protective sheeting without flaking and prevent contamination of wet paint during the painting process.

- Clings to vehicle to prevent sheeting from lifting
- Clearly marked paintable side
- Cut to desired length
- Tear resistant, recyclable plastic
- Ultimate bleed through resistance against penetration of solvents, even paint stripper
- HDPE (high density polyethylene) is twice the strength of LDPE (low density polyethylene)
- Dispenser box keeps sheeting clean, free of dust, dirt and other contaminents

Size	Art #
16' x 350' Roll	**1899600400**

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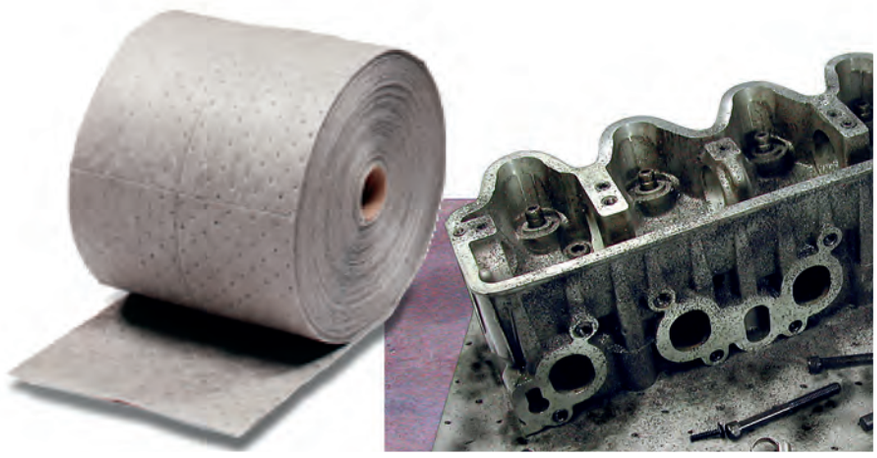
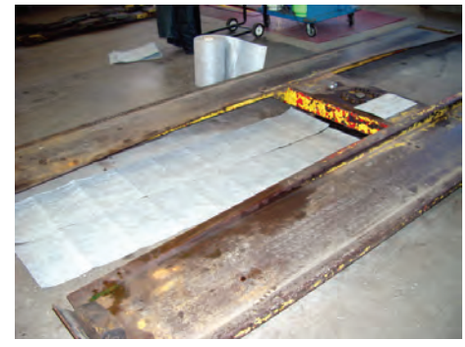
SORBENT PADS



Size	Art #
15" x 100' Roll (New Larger Roll)	**08858916**

- This unique sorbent pad absorbs **all liquids**
- Use on top of work bench for cleaner repairs
- Prevent employee slippage on oily floors
- Grips floor for Safety/Top and bottom layers of FineFiber are built of densely woven, small-diameter strands of fiber to increase surface area - enabling the Mat to grip the floor and secure it for safer walking
- Virtually indestructible/FineFiber Mat has a layer of MeltBlown polypropylene ultrasonically sandwiched between two FineFiber layers. 3-ply construction resists heavy foot traffic
- Multi-Perforations save you money. Rolls are perfed every 7.5" vertically and every 17" horizontally
- Helps you comply/29 CFR 1910.22(a)(2), 29 CFR 1910.107(b)(3), 29 CFR 1910.107(g)(2), 29 CFR 1910.120 (j)(1), 29 CFR 1910.1450 (e)



OIL ONLY SORBENT PADS

- Grips floor for Safety/Top and bottom layers of FineFiber are built of densely woven, small-diameter strands of fiber to increase surface area - enabling the Mat to grip the floor and secure it for safer walking
- Virtually indestructible/FineFiber Mat has a layer of MeltBlown polypropylene ultrasonically sandwiched between two FineFiber layers. 3-ply construction resists heavy foot traffic
- Multi-Perforations save you money. Rolls are perfed every 7.5" vertically and every 17" horizontally
- Helps you comply/29 CFR 1910.22(a)(2), 29 CFR 1910.107(b)(3), 29 CFR 1910.107(g)(2), 29 CFR 1910.120 (j)(1), 29 CFR 1910.1450 (e)
- Will not absorb water
- Great for boat bilges

Size	Art #
15" x 100' Roll (New Larger Roll)	**08858914**

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DRUM TOP SORBENT PAD

- Clean Living/Absorbs drips from leaking pumps and helps keep drum storage areas looking good
- Bung Hole Access/Pre-cut bung holes make for easy access to drum. Pads can be removed and replaced with pumps and valves installed
- 25 pads per pack

Did You Know...

- Clay doesn't really absorb: the clay just gets coated with the liquid
- Clay is a known health hazard: Read the warning on the bag. Clay can cause lung damage
- When all is said and done, clay costs more to use and dispose of
- Clay becomes very sticky when used, sticks to your shoes and tracks throughout your shop

Size	Qty.	Art #
55 Gallon Drum Top Sorbent Pad	25 Pack	**08858913**
30 Gallon Drum Top Sorbent Pad	25 Pack	**08858912**

OIL ABSORBENT PAD

- 100% Polypropylene
- Absorbs oils, hydrobarbons and all petrolium based liquids
- Repels water
- Can be used under leaky valves, machines, etc. or to skim oil from water surfaces

Description	Qty	Art. #
16" x 20" Heavy Weight Pads	100	**088588810**
16" x 20" Light Weight Pads	200	**088588820**

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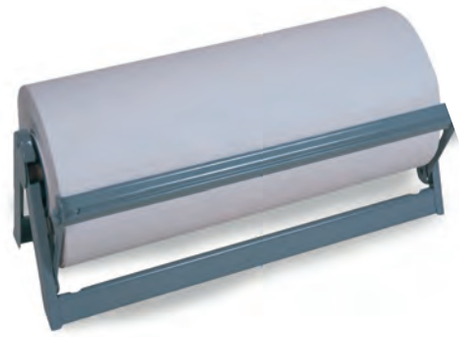
PARTS BAGS

- 500 per roll



Size/Description	Art #
11" x 18"	**189990021**
14" x 22"	**189990022**
Universal Dispenser	**089990020**

ZIPLOC® PARTS BAGS

- Heavy duty
- White block area to write on

Size	Art #
3" x 5" Zip-lock Bags	**189908**
9" x 12" Slide-lock Bags	**189909**

DISPOSABLE KEY TAGS

- Made of laminated paper
- Eliminates having piles of keys to sort
- Gives a professional look and saves time for other duties
- Pliable and easy to write on
- Will accept pen or felt marker
- 100 per pack

Description	Art #
Disposable Key Tags	**1791100**

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Revision 10/2014

MICROFIBER DETAILING CLOTH

The super-absorbency and magnetic "clinginess" of the microfiber fabrics make it especially well suited for cleaning and beautifying automobiles.
Great for Cleaning:

- Windows
- Car Interiors
- Leather
- Chrome
- Rubber and Plastic
- Monitors

Description	Art #
Microfiber Detailing Cloth	**1899810**

FULL ABSORPTION TOWEL

Excellent absorption and liquid retention

- Super absorbent, absorbs 50% more fluids and three times faster than typical cloths
- For use on any surface - will not scratch; use to dry vehicle surfaces to prevent water spots
- Purchase multiple towels for a wide array of applications - washing, drying, polishing etc.
- Can be washed and reused
- Perfect for use with our new polishes, both for application and for buffing and detailing

Description	Art #
Full Absorption Towel - 25" x 17"	**0899800205**

SPECIAL CLEANING CLOTH

- Can be used as a polishing cloth
- Extremely tear resistant, even when wet
- Solvent-resistant
- Fast lint-free
- Very absorbent
- Washable, wringable and reusable
- Safe for food
- Use with Dent Lifter
- Used in car, boat and industrial cleaning

Design	Size	Art #
White, 1-ply (size cloth)	11" x 15"	**0899800901**

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ONE WIPE

- Professional Quality, All-Purpose Bonded Cellulose Wipers
- Performance for a wide variety of wiping tasks
- Versatile Leading All-Purpose Substrate
- Ideal for general purpose wiping
- Ultra Absorbent
- Soft Hand Feel
- 225 wipes per box
- Dimensions per wipe - 9" x 12"

Description	Art #
One Wipe	**189986886**

SMOOTH BLUE WIPE

- Professional Quality, High-Performance Spunlace Towels
- Highly Absorbent
- Chemically Pure
- Reusable Cloth-like towels
- Solvent Resistant
- Superb Wet Strength and Wipe Dry Performance
- Virtually Lint Free
- Textile Performance for the toughest, low lint wiping tasks
- 125 wipes per box
- Dimensions per wipe - 9" x 17"

Description	Art #
Smooth Blue Wipe	**189992131**

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WURTH VALVE ADJUSTING TOOLS

- Each blade thickness has a different color, so the blade required can be found easily
- The blade thickness is injected in the plastic handles and therefore cannot blur
- Blade width 13mm, length 45mm, total length 100mm

Color	Thickness mm	Art #
Purple	.10	**07135122**
White	.15	**07135123**
Blue	.20	**07135124**
Grey	.25	**07135125**
Yellow	.30	**07135126**

STUD EXTRACTOR

- For removing broken-off studs or threaded bolts. A hole is bored into the parts to be removed according to the Table and the extractor is screwed in to the left. By means of further tightening the broken-off part is extracted without damaging the thread.
- Chrome Vanadium, forged
- Comes in plastic box

Size	Art #
15mm, dimensions 1-5	**0695684353**

STUD DRIVER AND REMOVER

- For rapid fitting and removal of stud bolts with or without thread.
- No damage to bolt through welding on of turning aids (nuts, etc.) or use of pliers.
- No lock nuts needed.
- Positive grip on studs from 10mm long.
- No wearing parts.
- Diameter 25mm, 65mm long.

Applications:

- All motor vehicles, agricultural and building machinery maintenance, fleet operators, motorcycle dealers, motor and mechanics; engineering, boat building, etc

Fits Stud Size	Art #
4 pc. Set	**06904211**
Set Includes: 6, 8, 10 and 12mm	

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PLASTIC LINED LUG SOCKETS

- Special design will not mar expensive mag wheels
- Available in 3 sizes for most common lugs
- Plastic sleeve and plastic liner cap
- 1/2" drive

Wrench Size	Art #
3 pc. Set **Set Includes:**	**0713132890**
17 mm	**0713132817**
19 mm	**0713132819**
21 mm	**0713132821**
Plastic Cover	**0713132891**

WURTH PIN PUNCH SET

- Chrome vanadium air hardened steel
- Tempered safety striking heads will not burr or split
- Shaft all hardened, making it extremely tough and durable
- Includes plastic case

Description	Art #
Set includes diameters 2, 3, 4, 6 and 8	**07146341**

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A/C DYE & OIL CARTRIDGE GUNS

- For use with cartridges of A/C dye and A/C oil
- Pre-calibrated to dispense exact amount needed

Description	Art #
8 oz. Cartridge Gun	**0891764100**
Quickshot Gun	**0891764010**

DYE SERVICE LABELS

- Affix label to notify the next service technician that dye is present

THIS SYSTEM CONTAINS LEAK DETECTION DYE. INSPECT THE SYSTEM WITH AN ULTRAVIOLET LAMP. THE LEAK SOURCE WILL FLUORESCE (GLOW) BRIGHTLY WHEN EXPOSED TO UV LIGHT.
A/C DYE
ENGINE OIL DYE
COOLANT DYE
OTHER
DATE INSTALLED
LOCATION OF SERVICE
SPOTGUN

Description	Art #
8 labels	**08929825**

FLUSH GUN

- Flow control flush gun for A/C Super Flush Art. # 0892 76402.

Description	Art #
Flush Gun	**08911300**
A/C Super Flush	**089276402**

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A/C DYE INJECTOR ADAPTERS

R-12 Adapter

- Used on older vehicles with R-12 refrigerant. Works with R-134A adapter

R134A adapter hose

- Works in conjunction with the A/C Dye Injection System. Installs on A/C dye cartridge Art. # 0892 764 030

Description	Art #
R-12 Adapter	**0764000019**
R-134A adapter hose	**0764000015**

A/C GOO TAPE

- Insulates exposed A/C pipes, tubing, fittings & prevents condensation build-up

Description	Art #
A/C Goo Tape	**19852010**

CAN TAP HOSE

- Use with Art. # 1892 764300 A/C Leak Stop with Dye
- Hose Length 9"

Description	Art #
Can Tap Hose	**0892764305**

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FLAMMABLE STORAGE SAFETY CABINETS

Cabinets are required by OSHA and UFC in commercial and industrial facilities where flammable liquids are used and stored. Units conform to NFPA code 30 and OSHA 29 CFR 1910.106 and are FM approved.

Description	Size	Shelves	Weight	Art #
12 Gallon Self Close	23 x 18 x 36-3/8	1	155 lbs	**0957900001**
30 Gallon Self Close	43 x 18 x 45-3/8	1	229 lbs	**0957900003**
45 Gallon Self Close	43 x 18 x 66-3/8	2	375 lbs	**0957900002**
60 Gallon Self Close	34 x 34 x 66-3/8	2	415 lbs	**0957900004**
90 Gallon Self Close	43 x 34 x 66-3/8	2	505 lbs	**0957900005**

Price does not include shipping which is FOB El Paso, TX

- Sturdy all welded double wall steel construction
- 5 self-closing cabinets
- 60 & 90 gallon models have internal 16 gauge reinforcements
- 2" wide louvers support shelves, adjustable on 4" centers
- 2" deep leak-proof sump
- Safely contains hazardous chemicals, reducing the risk of fire
- Improved security with recessed lockable paddle latch and 3 point locking system
- 2" bunged air vents with flame arrestors on each side of the cabinet allows for ventilation
- Safety yellow powder coat finish
- Additional shelves are available via special order

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WURTH STORAGE TRAYS

- Holds 2 part and single cartridges upright and secure.
- Enables user to organize according to their specific needs.
- Order trays separately to retrofit customers' current Aerosol Cabinet.
- Allows user to store partially used cartridges with nozzles attached.

	Description	Art #
1	Chemical Cabinet (19-7/8" W x 14-1/4" D x 32-3/4" H)	**19665**
2	Aerosol Cabinet (33-3/4" W x 8-1/2" D x 22-1/4" H)	**1955900**
3	Plastic Repair Poster	**19992223**
4	Storage Trays	**19669100**
5	Velcro Buttons	**1999372**

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WURTH BULB RACK

- 4 rows of clear dispenser drawers with adjustable dividers plus a hidden storage area

Width	Height	Depth	Art #
19"	26-3/4"	4"	**1966720**
Replacement Tray			**19667211**

HOSE DISPENSER

- A high quality, wall mountable, tubing dispenser system specifically constructed for use with spool mounted hose
- A convenient ruler on the front of the rack to aid in measuring
- No hose entanglement during unreeling
- No disarray when stocking different types of hoses

Description	Art #
Hose Dispenser	**189510**

HOSE RACK

- A six position rack created to hold fuel line and wiper tubing
- Free standing or wall mountable

Description	Art #
Hose Rack	**189511**

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WIRE SPOOL RACK

- High quality design for the convenient storing and dispensing of spool wire
- Mount on counter, wall or work vehicle with use of lag holes and keyhole slots
- All steel construction, with a red baked enamel finish
- Convenient carrying handle on single rod model
- Plated steel rods for heavy spools

Width	Height	Depth	Art #
26-1/8"	10-3/8"	5-3/4"	**1770900150 (6 rolls)**
26-1/8"	17-7/8"	5-3/4"	**1770900151 (12 rolls)**

DOS RACK

- Holds DOS system bottles
- Mount on tool box, work bench or wall

Description	Art #
DOS Rack - 7 Compartment	**0891271**
DOS Rack - 14 Compartment	**0891273141**

AEROSOL CAN CADDY

- Holds up to 6 standard sized aerosol cans. Unit can be wall mounted, fastened to a tool box, or placed on a shelf or counter top
- Dimensions: 21-1/2" W x 3-1/8" D x 5-1/4" H

Description	Art #
Aerosol Can Caddy	**1966385**

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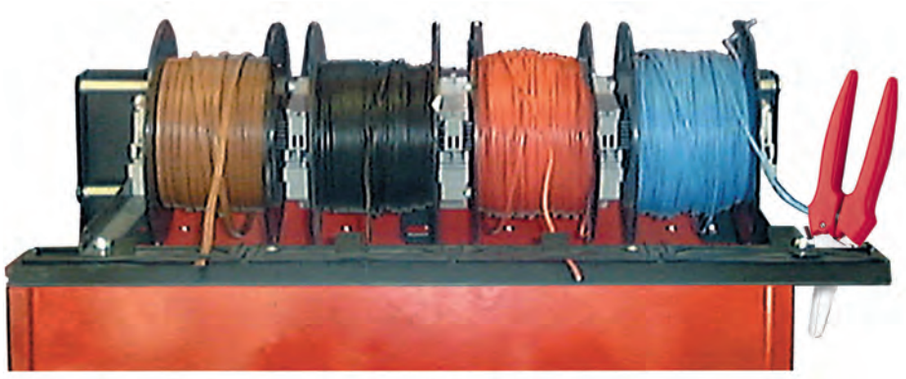
ORSY® WIRE REEL SYSTEM



Dispenser Includes:

- Dispenser assembly
- 5 reel holders - Art. # 0956 10903
- 8 small stars (holds 4 rolls) Art. # 0956 10901
- Mounting hardware

Note:

- Order wire separately.
- Combination shears sold separately Art. # 0714 0314.

Description	Art #
Small Dispenser	**0956109**
Large Reel System Stars	**095610902**
Small Reel System Stars	**095610901**
Reel Holder	**095610903**
Coil Core Plastic Insert	**095610904**

CABLE TIE RACK

- For fast, easy and reliable bundling of wires, cables, looms, hoses, etc.
- Preformed leading edge allows fast insertion into buckle
- Absolutely secure with long life
- Resistant to cold, will not crack or deteriorate
- Flame resistant
- Resistant to oil, fats, solvents and many organic substances. Caution when in contact with strong mineral acids and/or oxidizing chemicals, especially at high temperatures

Material: PA 6.6

Temperature Range: -40° to 185°F

Durability:

- White: Weather resistant at normal temperatures. For internal applications.
- Black: UV resistant, due to carbon structure. The effect of UV rays is minimized.

Description	Art #
Cable Tie Rack	**050205020**

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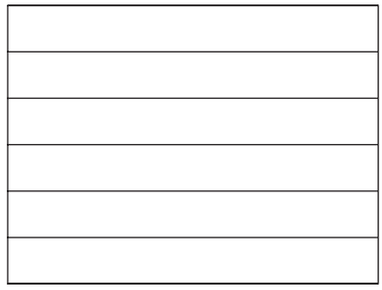
LARGE ASSORTMENT BOX & INSERTS

- Organize and individualize your parts inventory to save time and money
- Various inserts offer a variety of compartments to organize parts
- A blank schematic is included within the assortment box
- Handle for easy transporting to work site
- Assortment boxes have positive latch locks to prevent loss of small pieces
- Assortment boxes are made of prime cold rolled steel with an acid/rust resistant black baked enamel finish
- Rounded scoops enables easy removal of small parts

	Description	Art #
1	Large Box w/ 6 Compartment Tray	**09559502**
2	Large Box w/ 12 Compartment Tray	**195523012**
3	Large Box w/ 16 Compartment Tray	**195523016**
4	Large Box w/ 20 Compartment Tray	**195523020**
5	Large Box w/ 24 Compartment Tray	**195523024**
6	Large Box w/ 32 Compartment Tray	**195523032**
7	Large Box w/ Adjustable Box Inserts	**195523013**
8	Large Box w/ Expandable Inserts	**195523014**
9	Extra Dividers (9 pack) for 195523013	**195523011**

1



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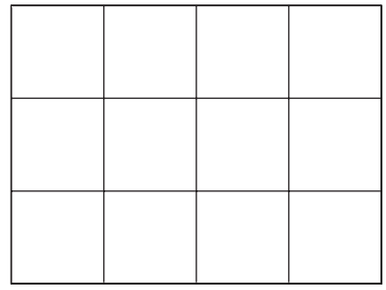

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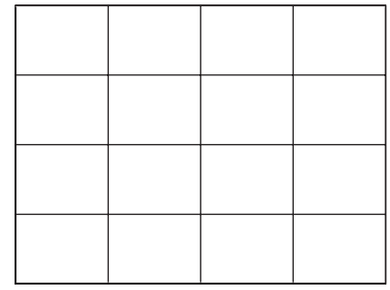

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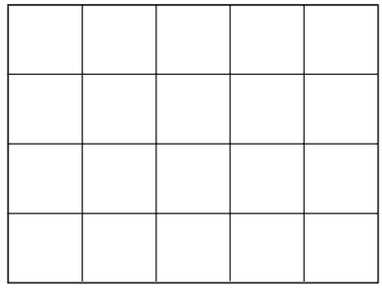

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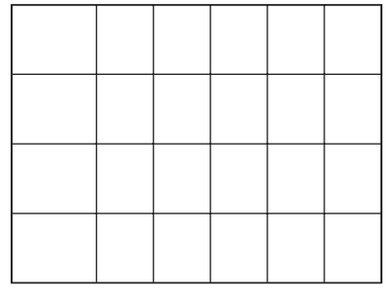

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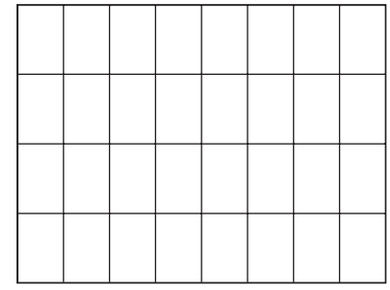

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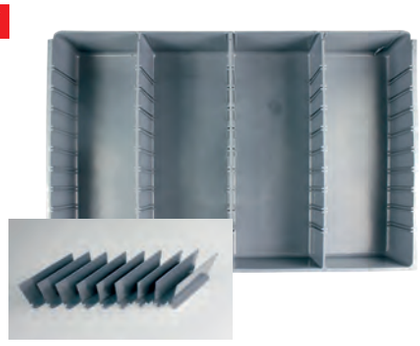

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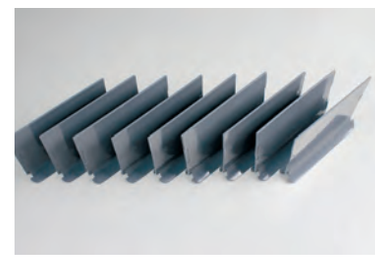

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STORAGE

	Description	Width	Height	Depth	Drawer Width	Drawer Height	Drawer Depth	Extra Dividers	Stand Base	Art #
1	9 Drawer Storage Cabinet	17-1/4"	10-7/8"	11-5/8"	5-3/8"	2-3/4"	11-1/4"	**196691**		**19669**
2	Utility Storage Cabinet	19-7/8"	32-3/4"	14-1/4"						**19665**
3	4 Drawer Cabinet	20"	15"	15-3/4"					**19551041**	**1955104**
4	18 Comp. Storage Bin	24"	12-3/4"	4-3/4"						**19662**
5	36 Comp. Storage Bin	24"	24"	4-3/4"						**19661**
6	40 Comp. Storage Bin 9" Deep	33-3/4"	22-1/2"	9"	4"	4-1/2"			**1966801**	**196640**
6	40 Comp. Storage Bin 12" Deep	33-3/4"	22-1/2"	12"	4"	4-1/2"			**1966131**	**196613**

1

2

3

Stand Sold Separately

4

5

6

Stand Sold Separately

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TOOL TROLLEY

- Large and lockable working surface on ball bearing guides
- Unobstructed access to center compartment, with adjustable dividers
- Drawer with ball bearing mechanism
- Sturdy steel construction, lacquer coated
- Working surface completely covered with oil resistant and shock proof rubber
- Round edges, PVC, coated handles
- Excellent quality - Made in Germany

Height	Width	Length	Art #
880 mm (34-5/8")	500 mm (19-3/4")	800 mm (31-1/2")	**07159326**

19" TOOL BOX

- Large sure-grip handle
- Extra deep bottom storage area
- Extra high lid for increased storage capacity
- Bottom feet keep box clean and dry
- Deluxe, lift-out tote tray
- Fully lockable

Dimensions	Art #
19"W x 9-1/2"D x 9-1/2"H	**1695590651**

CANVAS TOOL BAG

- Big enough to hold and keep all your necessary tools
- Internal metal frame holds bag wide open
- 10 outside pockets and 14 inside pockets to organize tools and accessories
- Made of rugged 20 oz. canvas material with a hard bottom for better stability

Height	Width	Length	Art #
11"	10"	12"	**171593610**

TOOL TOTE TRAY

- Large open compartment sample/tool tray with drawer and handle.

Description	Depth	Width	Length	Art #
Pull out drawer w/ 6 compartments	1-1/2"	12-1/2"	7-1/4"	
Overall Tool Tray		8-1/2"	14"	
Tool Tote Tray				**071593311**

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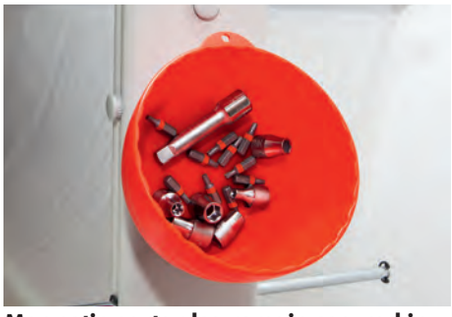
MAGNETIC PARTS BOWL

Simple storage of small parts!

This bowl carefully secures contents on surfaces using plastic-covered magnets.
Plastic dish has an extra-high edge.



Magnetic parts also remain secured in the side position!

Description	Art #
Magnetic Parts Bowl	**0714937127**

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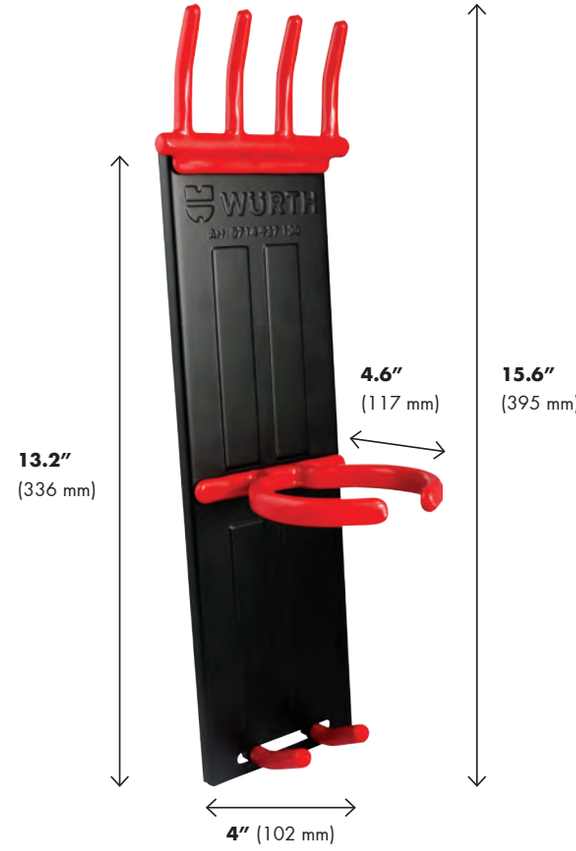
MAGNETIC HOLDER FOR IMPACT TOOL & SOCKETS

Keeps the most important tools readily accessible for tire service.



Features

- Four powerful magnets with a holding power of max. 11 lbs. (5 kg). Ideal for attachment to a lifting platform or toolbox.
- Holds a pneumatic Impact Driver, and up to four socket wrench inserts.
- Coated mounts allow careful and secure storage of tools.
- Sturdy and long-lasting 0.06" (1.6 mm) thick steel, with black powder coated mounting surface.

For use with
Pneumatic Impact Wrench
(Art.# 07037360)

Description	Width	Height (Base Plate)	Height (Total)	Depth	Art #
Magnetic Holder for Impact Tool & Sockets	4" (102 mm)	13.2" (336 mm)	15.6" (395 mm)	4.6" (117 mm)	**0714937130**

MAGTRAY CAN & ACCESSORIES HOLDER

Back View

Features

- Attaches easily to any magnetic metal surface: tool box, service cart, workshop lift, tool board, etc.
- 6 rubber-coated heavy-duty magnets (1000-1200 Gauss) and support edges avoid scratches on painted surfaces.
- Provides an extra storage option for 2 spray cans (max. 7cm) and miscellaneous items (perfect for a box of our gloves, spare hardware, LED worklight, etc.)
- Heavy-duty 0.81mm powder coated steel construction

Description	Width	Depth	Art #
MagTray Can & Accessories Holder	12.2" (310 mm)	2.95" (75 mm)	**0714937129**

Keeps the most important and frequently used tools readily accessible.

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NUISANCE DUST MASKS

- Effectively protects against non-toxic dust
- Doesn't interfere with breathing or speech
- NOT NIOSH approved
- 50 masks per box

Description	Art #
Nuisance Dust Masks	**08991**

HALF MASK RESPIRATOR

- Soft sealing flange and forward angled nosepiece easily accommodates eyewear
- Perspiration port reduces facepiece slippage and skin irritation
- Large inhalation port provides lower breathing resistance

Recommended Industries/Use

- Chemical
- Construction
- Food Services
- Forestry
- Manufacturing
- Mining
- Minicipal Services
- Oil and Gas
- Steel and Metals
- Transportation
- Utilities
- Welding

Hazards

- Airborne Particulates
- Biohazard
- Chemical
- Contamination
- Gas, Vapors, Smoke

Regulations

- NIOSH 42 CFR 84

Description	Art #
Half Mask Respirator	**18991430**

ORGANIC VAPOR CARTRIDGES

- Cartridges and filters for Half-Mask and Full Facepiece respirators
- Twist Lock cartridges

Recommended Industries/Use

- Agricultural
- Chemical
- Construction
- Food Services
- Government
- Law Enforcement
- Forestry
- Manufacturing
- Medical
- Military
- Mining
- Minicipal Services
- Oil and Gas
- Pharmaceutical
- Steel and Metals
- Transportation
- Utilities
- Welding
- Nuclear

Hazards

- Airborne Particulates
- Chemical
- Contamination
- Gas, Vapors, Smoke

Regulations

- NIOSH 42 CFR 84

Description	Art #
Organic Vapor Cartridges	**18991431**

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N99 FILTERS

- Screw-on (threaded) cartridges

Recommended Industries/Use

- Agricultural
- Chemical
- Construction
- Fire Protection
- Food Services
- Government
- Law Enforcement
- Forestry
- Manufacturing
- Medical
- Military
- Mining
- Minicipal Services
- Oil and Gas
- Pharmaceutical
- Steel and Metals
- Transportation
- Utilities
- Welding

Hazards

- Airborne Particulates
- Chemical
- Contamination
- Gas, Vapors, Smoke

Regulations

- NIOSH 42 CFR 84

Description	Art #
N99	**18991432**

P100 FILTERS

- Cartridges and filters for Half-Mask and Full Facepiece respirators
- Twist Lock cartridges

Recommended Industries/Use

- Agricultural
- Chemical
- Construction
- Food Services
- Government
- Law Enforcement
- Forestry
- Manufacturing
- Medical
- Military
- Mining
- Minicipal Services
- Oil and Gas
- Pharmaceutical
- Steel and Metals
- Transportation
- Utilities
- Welding
- Nuclear

Hazards

- Airborne Particulates
- Chemical
- Contamination
- Gas, Vapors, Smoke

Regulations

- NIOSH 42 CFR 84

Description	Art #
P100	**18991433**

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DUST FILTRATION MASK

- Multiple size options for wide range and improved fit
- Molded cup design
- Offered in valved
- Incorporate humidity-resistant filter media
- Low breathing resistance
- Lightweight design
- Durable suspension straps
- Optional boomerang nose seal or full seal for secure and comfort fit

Recommended Industries/Use

- Agricultural
- Chemical
- Construction
- Fire Protection
- Food Services
- Law Enforcement
- Forestry
- Manufacturing
- Medical
- Mining
- Minicipal Services
- Oil and Gas
- Pharmaceutical
- Steel and Metals
- Transportation
- Utilities
- Welding

Hazards

- Airborne Particulates
- Biohazard
- Chemical
- Contamination
- Gas, Vapors, Smoke

Regulations

- NIOSH 42 CFR 84

Description	Art #
Dust Filtration Mask	**189914141**

DUST & MIST RESPIRATORS WITH EXHALATION VALVE

Easier breathing and less fatigue for your workers means better compliance.

Features

- LPD (low pressure drop) exhalation valve provides easier breathing
- Latex-free, stapled headstraps are strong and durable
- Adjustable contoured nosepiece plus inner foam nosepiece for better fit and comfort
- Strong, double-shell construction

Applications

- Ideal for dusty environments, i.e. grinding, sanding, sweeping, bagging, stone quarrying, metal machining, cement, underground mining, polishing, buffing, lime, poultry and textiles

Regulations

- NIOSH Approved N95

Description	Art #
Dust & Mist Respirators w/ Exhalation Valve	**0899120001**

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CORDED EAR PLUGS

- Patented dual material design combines firm core for easy handling with soft flanges for comfort and fit
- FlexiFirm stem is easy to grasp, ensuring easy insertion into the ear canal
- SoftFlanges creates comfortable seal in the ear canal for superior comfort and protection
- Unique detachable nylon cord system adapts to virtually any application
- Fine-tune fit for personal comfort and safety

Recommended Industries/Use

- Agricultural
- Chemical
- Construction
- Fire Protection
- Government
- Law Enforcement
- Forestry
- Manufacturing
- Medical
- Military
- Mining
- Minicipal Services
- Oil and Gas
- Steel and Metals
- Transportation
- Utilities
- Welding

Hazards

- Noise

Regulations

- NIOSH 42 CFR 84

Regulations

- 29 CFR 1910.95 - OSHA Occupational Noise Exposure (US)
- ANSI S3.19-1974 - Attenuation Test Protocol (US)

Description	Art #
Large Corded Ear Plugs	**1899300304**

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ANDROMEDA FULL-VISION GOGGLE

- Innovative two-component technology for reliable protection and maximum wearing comfort
- Large-volume; excellently suited for users who wear glasses
- Panorama field view
- First-class eye climate thanks to optimum ventilation
- Can be combined with half masks
- Highly impact-resistant polycarbonate lens
- Unique coating (outside extremely scratchproof, inside permanently resistant to fogging
- Fast, simple lens changes
- Individually adjustable head strap
- 100% UV protection up to 400 nm
- Complies with EN 166 and EN 170

Description	Art #
ANDROMEDA Full-Vision Goggle	**0899102110**

HARLEY-DAVIDSON® SAFETY EYEWEAR

Silver frame with Blue Mirror Lens

- Contemporary, wrap-around sport styling with a dual lens look, molded inside shields and brow guards

Description	Art #
Harley-Davidson® Safety Eyewear	**18992100**

BLACK FRAME WITH CLEAR LENS

- High-tech, high style wraps around the face to provide 180 degrees of panoramic vision and excellent side and brow coverage

Description	Art #
Black Frame w/ Clear Lens	**18992503**

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SAFETY GLASSES

- Economical and stylish eye protection with sport temples for a fashionable yet comfortable fit
- Sporty- wrap-around design
- Anti-scratch coating

Description	Art #
Clear Lens/ Clear Frame	**1899700**
Gray Lens/Gray Frame	**1899701**

SAFETY GLASSES

- Economical and stylish eye protection
- Sporty wrap-around eyewear with unique temples with extra “Flex” built in for increased tension control
- Anti-scratch coating

Description	Art #
Clear Lens/ Clear Frame	**1899800**
Gray Lens/Gray Frame	**1899801**

SAFETY GLASS WITH MAGNIFICATION READER

- Magnification reader
- Nylon frame
- Extra wide bridge
- Black temples
- Hard coated lens, bifocal 1.50

Description	Art #
Clear Lens/Black Frame	**18990015**

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SAFETY GLASS ZENON Z13

- Rimless
- Flared bridge
- Light blue temples
- Light blue har coat lens

Description	Art #
Light Blue	**18995503**

SAFETY GLASSES

- Full Black Frame, two-way adjustable temple with wrap around one piece smoke-colored lens

Color	Art. #
Smoke/Black	**18990032**

"FLEXYLE"

- Suspended lens provides stylish look, comfort fit, panoramic view and maximum protection
- Lightweight frame
- Newly designed adjustable nose piece provides 3 different angles
- Ratcheting and cushioned temples

Color	Art. #
Clear	**0899103130**
Grey	**0899103131**

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"STYLUS"

- 9.75 base curved lens provides full side protection without distracting seams or traditional type shields
- Nose buds secure the glass and prevent slipping while providing a pillow soft lift

Color	Art. #
Clear	**0899103128**
Grey	**0899103129**

"PROFILO"

- Economical wrap-around single lens
- Soft non-slip rubber temple tips
- Integrated nose piece

Color	Art. #
Clear	**0899103126**
Grey	**0899103127**

"TRENDUS"

- Economical lightweight glass offers superior protection
- Integrated nose piece

Color	Art. #
Clear	**0899103132**
Grey	**0899103133**

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"IMPEX"

- Lightweight and economical, the temples are vented
- Available in jumbo sizes for use over prescription glasses

Color	Art. #
Clear	**0899103125**

EYE PROTECTION

- The lenses are protected with 4A coating: anti-fog, anti-scratch, anti-UV 99.9%, anti-static
- Unique dual lens design
- Adjustable temples

Description	Art #
Black Frames	**08991032**

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TYVEK DISPOSABLE PROTECTIVE OVERALL

- Offers protection when working with paint, lacquers, underbody protection, lubricants, polyurethane foams, alkalines, and damp conditions
- Completely lint-free, ideally suitable for paint shop
- Tear and friction resistant even in wet conditions
- Not immediately flammable
- Light and comfortable, full freedom of movement
- Washable
- With zipper and elastic in back and sleeves

Description	Art #
Tyvek Disposable Protective Overall - Medium	**08990203**
Tyvek Disposable Protective Overall - Large	**08990204**
Tyvek Disposable Protective Overall - XL	**08990205**
Tyvek Disposable Protective Overall - 2XL	**08990206**
Tyvek Disposable Protective Overall - 3XL	**08990207**

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DISPOSABLE LATEX GLOVES

- Made of natural latex
- Pre-powdered with corn starch
- Translucent white
- 100 per box

Size	Art #
Medium	**1899440140**
Large	**1899440141**
Extra Large	**1899440142**
Medium Non-Powdered	**1899440150**
Large Non-Powdered	**1899440151**
Extra Large Non-Powdered	**1899440152**

CAUTION: Components used in making latex gloves may cause an allergic reaction in some people.

BLUE HEAVY DUTY LATEX GLOVES

- Thicker than most other heavy duty gloves
- Avg. 18 mils at the fingertip
- Designed specifically for mechanics
- Textured fingers and palms for enhanced gripping.
- Extra long cuffs
- Polymer coating makes gloves easier to put on and reuse
- Powder free
- 50 per bag

Size	Art #
Medium	**1899440130**
Large	**1899440131**
Extra Large	**1899440132**

CAUTION: Components used in making latex gloves may cause an allergic reaction in some people.

BLACK NITRILE GLOVES

- WURTH high performance industrial grade black nitrile gloves.
- Powder free and latex free. Contain no latex proteins, and no powder that can leave residue.
- Provide superior comfort and strength, combined with unsurpassed tactile sensitivity.
- 3 times the puncture resistance of comparable latex or vinyl gloves.
- Textured for enhanced dexterity.

Size	Art #
Medium	**1899440110**
Large	**1899440111**
Extra Large	**1899440112**
Extra Extra Large	**1899440113**

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NITRILE GLOVES

- 100% Nitrile gloves
- Strong and sensitive
- Powder free
- Solvent resistant
- Ambidextrous
- Blue in color
- 100 per box

Size	Art #
Medium	**1899440120**
Large	**1899440121**
Extra Large	**1899440122**
Extra Extra Large	**1899440123**

PVC GLOVES

- Recommended for oils, acids, caustics, greases, most solvents and chemicals

Size	Art #
Extra Large	**0899430**

NITRILE GLOVE "BASIC"

- Lightly coated nitrile glove
- 100% cotton-interlock lining with rope band
- Liquid, oil, and grease repellent

Application:
General handling, maintenance, assembling

Size	Art #
Small	**089940307**
Medium	**089940308**
Large	**089940309**
Extra Large	**089940310**

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NITRILE GLOVE "WELL NIT"

- Nitrile coated gloves
- Seamless 100% nylon carrier texture

Application:

General mechanic works in industry, specialty construction industry, automotive industry, carriage factory and working, wood processing, agriculture, transportation, storage, assembly.

Size	Art #
Small	**089944407**
Medium	**089944408**
Large	**089944409**
Extra Large	**089944410**

FOAM NITRILE GLOVE "AIRFLEX"

- Grey foam nitrile palm coating on 13 gauge seamless nylon liner
- Good breathing

Application:

General handling, maintenance, assembling

Size	Art #
Small	**0899400414**
Medium	**0899400415**
Large	**0899400416**
Extra Large	**0899400417**
Extra Extra Large	**0899400418**

PROTECTIVE GLOVE "DY FLEX"

- Surface hand inside with PU coating
- Carrier fabric made of Dyneema®. Dyneema® is a high-strength polyethylen brin, extreme cut resistant, abrasion-resistant, flexible and comfortable to wear.

Application:

High abrasion and cut resistant. Excellent in touch and good finger-feeling.

Size	Art #
Small	**0899400351**
Medium	**0899400352**
Large	**0899400353**
Extra Large	**0899400354**
Extra Extra Large	**0899400355**

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ASSEMBLY GLOVE "TOUCH"

- 35% cotton and 65% polyester shell
- Coated on one side with PVC dots

Application:
Light to medium mechanical tasks primarily in dry areas, can be used as dirt gloves, for light to medium warehouse work, agriculture and forestry work.

Size	Art #
Extra Large	**0899404120**

PROTECTIVE GLOVE "MAXCUT"

- Surface hand inside with latex coating
- Carrier fabric made of Kevlar® (made by DuPont).
  Kevlar® is a high-strength paraaramid brin, extreme cut resistant, abrasion-resistant and heat resistant.

Application:
High abrasion and cut resistant. Excellent in touch and good finger-feeling.

Size	Art #
Small	**089945107**
Medium	**089945108**
Large	**089945109**
Extra Large	**089945110**
Extra Extra Large	**089945111**

MECHANIC GLOVE "HIGHEND"

- Grotech® Synthetic leather palm
- Elastic spandex superb material and neoprene on back
- Half finger in thumb and forefinger

Application:
General mechanic work, assembly work esp. situations which need to pick up small parts.

Size	Art #
Medium	**0899400566**
Large	**0899400567**
Extra Large	**0899400568**

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MECHANIC GLOVE "SPEED FIT"

- Syntheic leather (Clarino) on the palm and Spandex /Nylon on the back

Application:
Assembly, material handling, etc.

Size	Art #
Medium	**08994003**
Large	**08994002**
Extra Large	**08994001**

LEATHER GLOVES

- Gun pattern leather palm gloves
- Quality gun cut, grey split leather, no exposed seams in palm "wear area"
- Wing thumb, all leather index finger and thumb, knuckle strap and elastic

Description	Art #
Leather Gloves	**0899400**

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TOP COWHIDE GLOVES

High quality leather gloves, very soft

- Especially supple
- Good flexibility and grip
- All-leather index finger
- Sturdy work gloves made from cowhide
- Heavy cotton back and cuff
- Safety elastic on back
- Leather knuckle protection and fingertips
- Completely double-stitched, half cotton lining

Areas of application:

Medium to heavy duty mechanical work. Provides good flexibility and sure grip for activities in metal processing, bodywork, transport, woodworking, repairs, installations and maintenance. Limited suitability in wet conditions.

Description	Art #
TOP Cowhide Gloves	**0899402**

5 FINGER WELDER'S GLOVES

- Hand inner surface of all-cowhide leather
- Split leather back and cuff
- Universally suited for welding, deburring, general labor
- Very sturdy and durable
- Oil, grease and water repellent
- Total length 35 cm

Description	Art #
5 Finger Welder's Gloves	**0984314**

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PRODUCT MEASURING GAUGES

Convenient pocket size gauges can be used for simple size identification of various hardware, brass, etc. WURTH USA offers gauges for measuring screws, wires, brass and other pipe compression fittings, rivets, sheet metal, battery terminals, and drill bits.

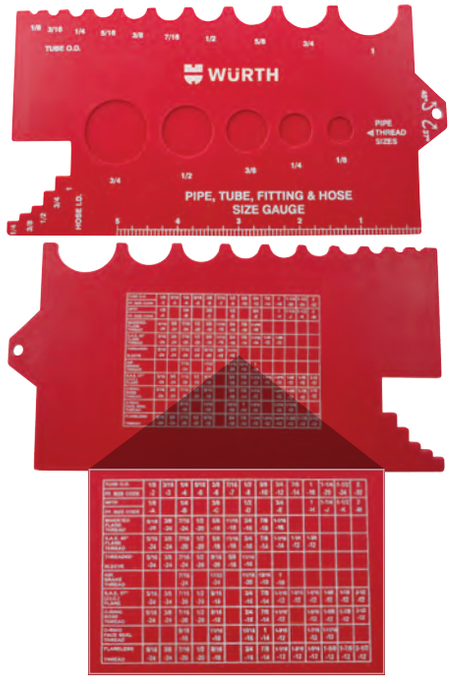
Screw and Wire Gauge

This gauge is used to identify common screw head types, diameter, and length.

- Identify the head type from the drawings
- Identify diameter by inserting the screw in the V-cutout and reading the measurement
- Place screw with 90 degree angle into underside of screw head to measure length
- If the screw is countersunk, place screw in the wedge cutout for proper length measurement

Approximate Size: 4-1/2″ x 3-1/2″

Description	Art. #
Screw and Wire Gauge	**1999191**



Pipe and Compression Gauge

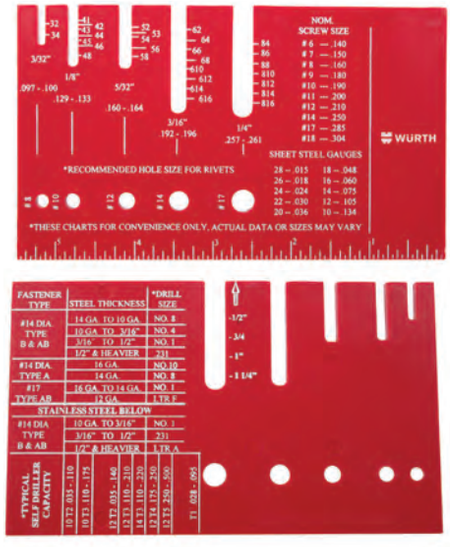
Convienient pocket size gauges are used for easy size identification of brass and other pipe fittings. Has measurements for the tube O.D., pipe thread size, hose I.D., a 5 inch standard ruler, and 45° and 37° flares on the front side along with a measurement table on the back side.

- Use the Tube O.D. (outer diameter) and I.D. (inner diameter) indentations to measure hose diameters
- Use the indented circles in the middle of the gauge to measure pipe thread sizes
- Use the 45 and 37 degree corners to identify angles for flared fittings
- Use the thread conversion table on the back as a reference

Approximate size: 7-1/2″ x 4″

Makes identifying and measuring brass fittings easy!

Description	Art. #
Pipe and Compression Gauge	**1999192**



Rivet and Sheet Metal Gauge

This gauge is used to identify the diameter and length of a rivet. It also includes tables for converting typical sheet metal gauge sizes.

- The slots are used to measure the length of the rivet
- The holes are used to measure the diameter of the rivet
- Use sheet metal tables to convert gauge sizes

Approximate Size: 5-1/2″ x 3-1/4″

Description	Art. #
Rivet and Sheet Metal Gauge	**1999193**

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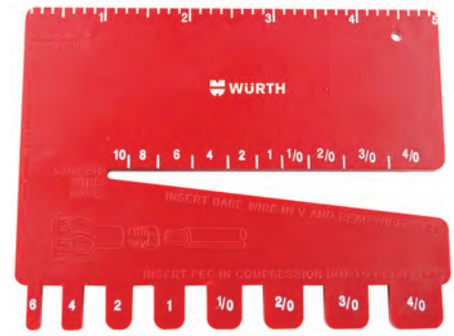
PRODUCT MEASURING GAUGES (CONT.)

Battery Terminal Gauge



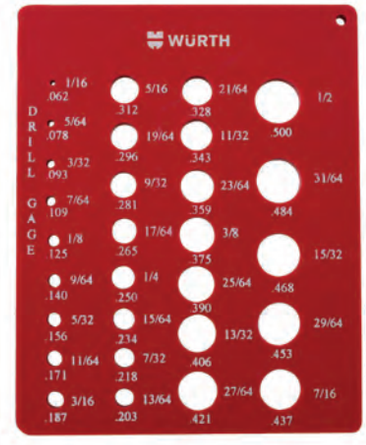
This gauge is used to identify the gauge of a wire, to determine the size of a compression nut, and to measure the length of an insulation strip.

- To determine the correct wire gauge measurement, the technician must strip the outer insulation of the wire
- The correct measurement will then be achieved by laying the stripped wire sideways and sliding it into the V-cutout in the gauge
- Insert peg (numbered tab cutouts on the gauge) in the compression nut to read the thickness and gauge
- Use the ruler on the top of the gauge to measure insulation strip length

Approximate Size: 5 x 3-3/4"

Description	Art. #
Battery Terminal Gauge	**1999194**

Drill Bit Gauge



This gauge is used to identify the diameter of common drill bits.

- Simply insert the drill bit into the slot that it most precisely fits to determine the diameter of the drill bit

Approximate Size: 4-1/2" x 3-3/4"

Description	Art. #
Drill Bit Gauge	**1999195**

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